

Work Order

**Work Order#** 352

**Priority:** 999

**Equip/Machine:** 035

2013 PETERBILT 386

**VIN#** 1XPHP49X3DD201152

**Machine:**

**Opened:** 5/26/2023

**Shop:** SHOP

**Scheduled:** 5/25/2023

**Manager:** SHOP DEAN

**Closed:** 6/5/2023

**Department:**

**Odometer:** \$690,229.00

**Chassis:**

**Downtime:** 0.00

**Container:**

Breakdown      Rebuild            Prev Maintenance      Road Call            Repair Order

Description

Qty/Hours

\$-Cost

Mechanic: DEAN LEWIS

1.50

\$195.00

Subtotal - Labor:

\$76,514.90

ACTUAL PARTS:

- AIR DRYER CART. [Vendor Part# BA5379]
- AIR BAG FITTING PETE [Part# G38-1024-08084]
- AIR SPRING (AIR BAG ) [Vendor Part# 03-07112]
- HYD FILTER [Part# PT9264]
- MEG RED LC2 GREASE [Part# MRLC2]
- TRANS, OIL [Vendor Part# HD 40 TRANS. OIL]

1.00  
1.00  
1.00  
1.00  
1.00  
14.00

\$22,397.62  
\$9,917.69  
\$15,903.16  
\$3,854.34  
\$4,785.84  
\$6,174.35  
\$63,033.00

ACTUAL NON-INVENTORY:

- SHOP
- Vendor: , Part# SHOP SUPPLY UNION
- Vendor: Trausch Dynamics, Part# 10144082 1462X12
- AIR FILTER
- Vendor: Nebraska Peterbilt, Part# RS3516JAB
- CAB SHOCKS
- Vendor: Nebraska Peterbilt, Part# 83008ACO
- BRAKE SHOE KIT
- Vendor: Thermo King Christensen, Part# RKR4709E2
- Subtotal - Non-Inventory:

1.00  
1.00  
1.00  
1.00  
2.00  
1.00

\$30.00  
\$30.54  
\$53.81  
\$76.28  
\$75.83  
\$266.46

ACTUAL SUBLET:

- install jin cup sleeve and replace parts as need flush cool
- Fleetpride, Inv# , 0/0/0000

\$3,348.78

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**Odometer:** \$690,229.00

**Downtime:** 0.00

Breakdown Rebuild  Prev Maintenance Road Call  Repair Order

Description

Subtotal - Sublet:

DOT REPLACE AIR FILTER ,HDY FILTER ,AIR DRYER CART  
LUBE TRUCK AND CHECK OVER,REPLACE CAB SHOCKS  
REPLACE LEFT DRIVE AXLE AIR BAG,WASHER ENGINE OFF  
REPLACE RIGHT DRIVE AXLE AIR FITTING  
FOUND AIR LEAK BY REAR RELAY VALVE  
CHANGED TRANS, OIL  
REPLACE LEFT REAR DRIVE AXSLE BRAKE SHOES  
ROTATE STEER TIRES  
TOOK TO FLEETPRIDE TO GET INJ CUP SLEVEL PUT IN AND  
REPLACE FUEL IINE AS NEED FLUSH COOLANT SYSTEM AND PUT NEW  
COOLANT IN

Qty/Hours

\$-Cost

\$3,348.78

Work Area Picked Up and Cleaned: \_\_\_\_\_

Initial Here: \_\_\_\_\_

Work Order Total:

\$5,105.91

Comments:

# UIN 094A8AE

## Diesel Engine

Unit No. 35

Unit: Cummins

Make: ISX15

Model:

Serial No.:

Site:

**Compartment:**

Name: Diesel Engine

Make:

Model:

Serial No.:

Capacity: 44.0 qt

**Customer:**

CENTRAL NON STOCK TRANSPORT

5120 S Elk Dr

Grand Island, NE 68803

USA

### DIAGNOSIS

All wear rates normal. Abrasive and other contaminant levels are acceptable. Viscosity within specified operating range. Action: As oil and filter(s) already changed, resample next service interval to further monitor.

ANALYST: Sam.Smith Kansas City

**LEGEND**

Normal

Severe

Abnormal

Caution

Normal

DATE SAMPLED	DATE RECEIVED	DATE REPORTED
30-Sep-22	30-Sep-22	03-Oct-22
11-Jul-22	18-Jul-22	19-Jul-22
25-Apr-22	03-May-22	05-May-22

LAB NO.	SIF NO.	TIME ON UNIT	TIME ON OIL	OIL BRAND	OIL TYPE	OIL GRADE	OIL ADDED	FILTER	OIL CHANGED	WO NUMBER
43021703883	700310868	mi	mi	20000	Unidentified	SAE 15W40	Unidentified	20000	Changed	
43021679569	39912968	15000		15000	Unidentified	SAE 15W40	Unidentified	Changed		
43021656300	39912956	611293		15000	Unidentified	SAE 15W40	Unidentified	Changed		

Metals (ppm)	30-Sep-22	11-Jul-22	25-Apr-22
Iron (Fe)	11	9	9
Chromium (Cr)	1	1	1
Lead (Pb)	5	2	3
Copper (Cu)	1	<1	1
Tin (Sn)	<1	<1	<1
Aluminum (Al)	2	2	1
Nickel (Ni)	<1	<1	<1
Silver (Ag)	<1	<1	<1
Titanium (Ti)	<1	<1	<1
Vanadium (V)	<1	<1	<1

Contaminants (ppm)	30-Sep-22	11-Jul-22	25-Apr-22
Silicon (Si)	4	4	3
Sodium (Na)	3	2	3
Potassium (K)	<1	1	<1
Water (%)	<0.05	<0.05	<0.05
Coolant	No	No	No

Additives (ppm)	30-Sep-22	11-Jul-22	25-Apr-22
Magnesium (Mg)	950	861	844
Calcium (Ca)	1457	1344	1379
Barium (Ba)	<1	<1	<1
Phosphorus (P)	871	862	866
Zinc (Zn)	1068	971	1009
Molybdenum (Mo)	62	58	57
Boron (B)	34	35	43

Physical Tests	30-Sep-22	11-Jul-22	25-Apr-22
Viscosity (cSt 100C)	14.4	14.3	14.5
Fuel (%)	<1	<1	<1
Soot (%) Infrared	<0.1	<0.1	<0.1

Physical / Chemical	30-Sep-22	11-Jul-22	25-Apr-22
Base Number (mgKOH/g)	5.3	5.6	5.7



**UIN 094A8AE**

**U.S. Laboratories**

**Atlanta, Georgia - 420** Valley View, Ohio - 410  
 5300 Oakbrook Parkway 6180 Hallie Dr. Suite D  
 Building 200 Suite 245 Valley View, OH 44125  
 Norcross, GA 30093 800.726.5400  
 800.394.3669

**Kansas City, Kansas - 430** Phoenix, Arizona - 440  
 935 Sunshine Road 3319 West Earlil Drive  
 Kansas City, KS 66115 Phoenix, AZ 85017  
 800.332.8055 Portland, OR 97210 800.445.7930

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 Portland, OR 97210  
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**Canadian Laboratories**

**Burlington, Ontario - 450** Edmonton, Alberta - 402  
 5036 South Service Rd. 9450 17 Ave NW  
 Burlington, ON L7L5V7 Edmonton, AB T6N 1M9  
 905.332.9559 888.489.0057

**Sales & Marketing**

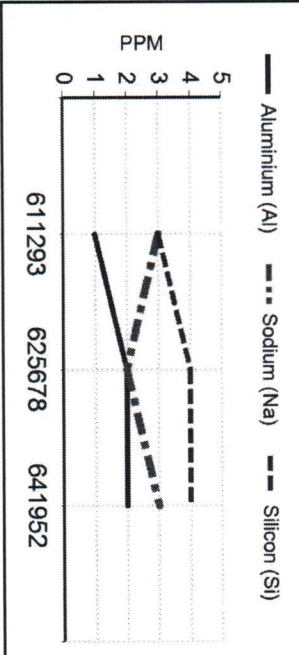
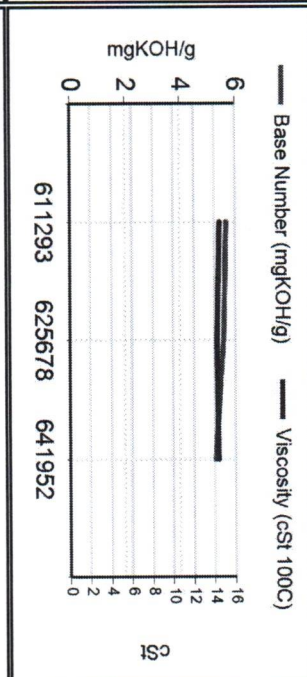
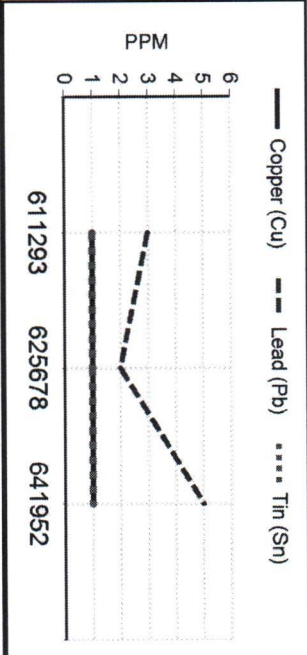
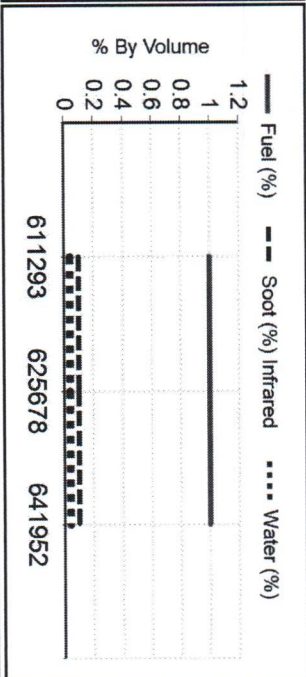
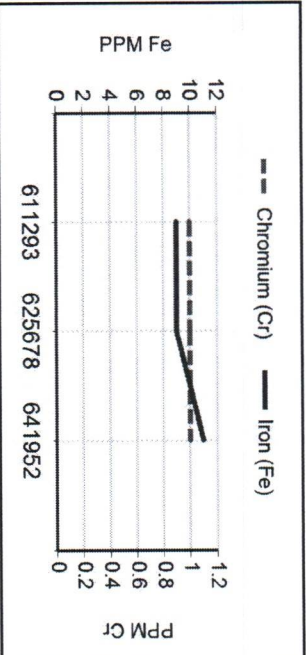
**Houston, Texas**  
 10450 Stanciliff Road, Suite 210  
 Houston, TX 77099  
 877.835.8437

**International Locations**

**Australia** Brisbane, Perth, Sydney, Muswellbrook  
**South America** Santiago de Chile, Belo Horizonte, Brazil  
**New Zealand** Southeast Asia Kuala Lumpur, Singapore Wellington Prague  
**Europe**

**TEST METHODS:**

Acid Number: ASTM D974/D664 (\*M)  
 Base Number: ASTM D4739 (\*M)  
 Base Number (Perchloric): ASTM D2896B, back (\*M)  
 Fuel Dilution by GC: ASTM D7593  
 Fuel Dilution Visc/Setflash In House  
 Fuel Soot ATTR/IR: ASTM D7686 (\*M)  
 Soot by FTIR: ASTM D7844  
 Glycol: In House  
 Metals by ICP AES: ASTM D6185 (\*M)  
 Ox, NOx, SOx, FTIR: ASTM E2412/D7418/D7414 D7415  
 PQ Index: ASTM D8120 (\*M)  
 Particle Count: ASTM D7647 (\*M) / ISO 4406  
 Kinematic Viscosity: ASTM D445 (\*M) / D7279 (\*M)  
 Water KF: D6304 / E203 (\*M)  
 Water Crackle: In House  
 \*M - Modified Method



Filter Image  
 Filter patch test is not performed Contact laboratory for more information

Since services are based on samples and information supplied by others, and since corrective actions, if any, are necessarily taken by others, these services are rendered without any warranty or liability of any kind beyond the actual amount paid to ALS Tribology for the services. Reported recommendations are based on interpretations of the generated test results and historical data. Certain test results appearing in this report may have been tested at other ALS laboratories within the Tribology divisional network.

Central Non Stock Transport  
 Attn: Service Manager  
 5120 S Elk Dr  
 Grand Island, NE 68803  
 USA

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