



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
OIL CONDITION
WEAR

NORMAL
NORMAL
NORMAL

112 - Diesel Engine

Unit Make : PETERBILT

Unit Model : 386

Comp Make : {n/a}

Comp Model : {n/a}

Serial No : {n/a}

Cust. Ref No. : {n/a}

Stub No. : KL-M2322340

Date Rec'd : Feb 15, 2016

Sample Date : Jan 25, 2016

Diagnostician : Don Baldrige

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date			10/19/15	Current	UOM
Time on Unit			0	849496	mls
Time on Oil			82000	94775	mls
Time on Fltr			0	94775	mls
Oil Maint.			n/a	not chg	---
Filter Maint.			n/a	not chg	---

CONTAMINATION

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

Sample Date			10/19/15	Current	Abn
Silicon			12	18	25
Fuel (%)			<2.0	<2.0	5
Glycol			---	---	0.06
Water (%)			<0.1	<0.1	0.2
Soot (%)			0.9	0.4	3
>4µm(c)			3936	1294	---
>6µm(c)			2144	705	---
>14µm(c)			365	120	---
>21µm(c)			123	40	---
>38µm(c)			19	6	---
>70µm(c)			1	0	---
ISO 4406(c)			18/16	17/14	---

OIL CONDITION

Oil Type: DIESEL ENGINE OIL SAE 15W40

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sample Date			10/19/15	Current	Base
Potassium			20	20	
Boron			56	95	250
Barium			0.0	0.0	10
Calcium			1222	1465	3000
Magnesium			383	410	450
Molybdenum			72	84	100
Sodium			18	16	
Phosphorus			833	934	1150
Sulfur			2410	2980	4250
Zinc			1127	1204	1350
Visc 100°C (cSt)			15.57	16.00	14.4
BN (mg/KOH/g)			4.02	4.29	8.5

WEAR

All component wear rates are normal.

Sample Date			10/19/15	Current	Abn
PQ			---	---	30
Iron			68	84	115
Nickel			0.6	0.0	2
Chromium			1.5	1.1	4
Titanium			0.1	0.0	---
Copper			8.0	15	76
Aluminum			7.8	7.6	25
Tin			0.0	0.7	2
Lead			25	24	45

