



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
OIL CONDITION
WEAR

NORMAL
NORMAL
NORMAL

22552 - Diesel Engine

Unit Make : PETERBILT

Unit Model : 335

Comp Make : CUMMINS

Comp Model : PX8

Serial No : {n/a}

Cust. Ref No. : {n/a}

Stub No. : KL-MFA15568

Date Rec'd : Oct 12, 2015

Sample Date : Oct 11, 2015

Diagnostician : Don Baldrige

RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date			12/21/14	Current	UOM
Time on Unit			108148	0	hrs
Time on Oil			6204	0	hrs
Time on Fltr			6204	0	hrs
Oil Maint.			not chg	n/a	---
Filter Maint.			not chg	n/a	---

CONTAMINATION

There is no indication of any contamination in the component.

Sample Date			12/21/14	Current	Abn
Silicon			5.2	7.9	25
Fuel (%)			<2.0	<2.0	3.0
Glycol			---	---	0.06
Water (%)			<0.1	<0.1	0.2
Soot (%)			0.2	0.1	6
>4µm(c)			---	---	---
>6µm(c)			---	---	---
>14µm(c)			---	---	---
>21µm(c)			---	---	---
>38µm(c)			---	---	---
>70µm(c)			---	---	---
ISO 4406(c)			---	---	---

OIL CONDITION

Oil Type: 21 QTS of CHEVRON DELO 400 MULTIGRADE 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			12/21/14	Current	Base
Potassium			6.2	17	5.4
Boron			167	86	151
Barium			0.0	0.0	0.4
Calcium			1732	1678	2046
Magnesium			393	515	0
Molybdenum			80	78	250
Sodium			7.5	14	0.0
Phosphorus			1116	1036	1043
Sulfur			2650	3058	5012
Zinc			1160	1234	943
Visc 100°C (cSt)			14.33	16.38	14.4
BN (mg/KOH/g)			11.01	12.22	12.5

WEAR

All component wear rates are normal.

Sample Date			12/21/14	Current	Abn
*White Metal			NONE	NONE	---
*Babbitt			NONE	NONE	---
PQ			---	---	---
Iron			28	66	90
Nickel			0.9	1.3	2
Chromium			1.2	2.1	20
Titanium			0.0	0.0	2
Copper			3.7	16	330
Aluminum			5.9	13	20
Tin			1.6	0.0	15
Lead			5.3	3.9	40

