



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
Peterbilt 957-1643 Rental Unit
 Component
Diesel Engine
 Fluid
MOBIL DELVAC MX 15W40 (40 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016482	RPL0013739	RPL0013622
Sample Date		Client Info		03 May 2024	11 Dec 2023	15 Sep 2023
Machine Age	mls	Client Info		150335	130625	119852
Oil Age	mls	Client Info		0	38291	27518
Filter Age	mls	Client Info		0	38291	27518
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	5	41	7
Chromium	ppm	ASTM D5185m	>20	<1	1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	7	18	3
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	0	5	5
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

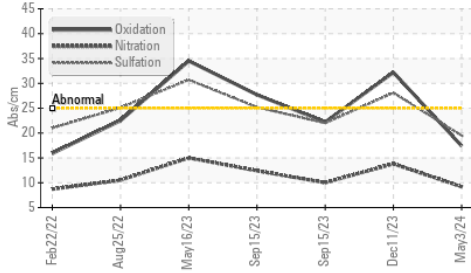
Silicon	ppm	ASTM D5185m	>25	5	13	7
Potassium	ppm	ASTM D5185m	>20	4	20	5
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.2	0.7	0.2
Nitration	Abs/cm	*ASTM D7624	>20	9.2	13.8	10.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.5	28.1	22.0
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

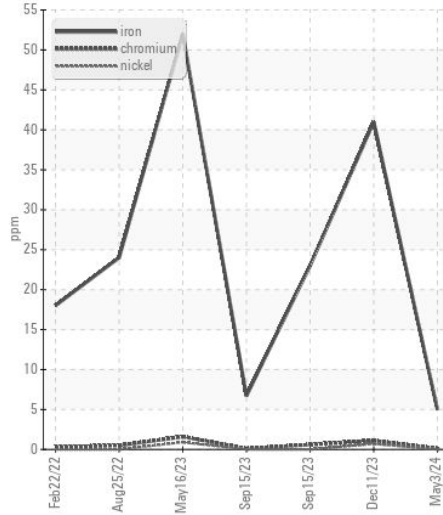
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	2	3
Boron	ppm	ASTM D5185m		78	14	31
Barium	ppm	ASTM D5185m		1	12	1
Molybdenum	ppm	ASTM D5185m		105	55	38
Manganese	ppm	ASTM D5185m		<1	2	1
Magnesium	ppm	ASTM D5185m		663	506	567
Calcium	ppm	ASTM D5185m		1396	1921	1697
Phosphorus	ppm	ASTM D5185m		813	852	768
Zinc	ppm	ASTM D5185m		900	1070	908
Sulfur	ppm	ASTM D5185m		3482	2626	2693
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.4	32.2	22.2
Base Number (BN)	mg KOH/g	ASTM D2896	12	7.0	▲ 2.3	7.6
Visc @ 100°C	cSt	ASTM D445	14.4	13.4	14.5	13.4

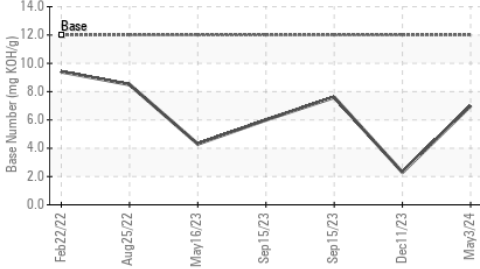
FT-IR (Direct Trend)



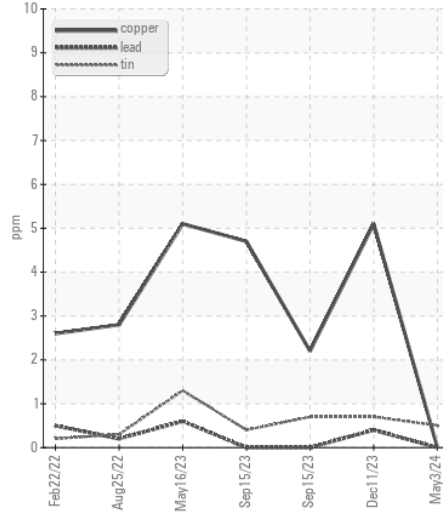
Ferrous Alloys



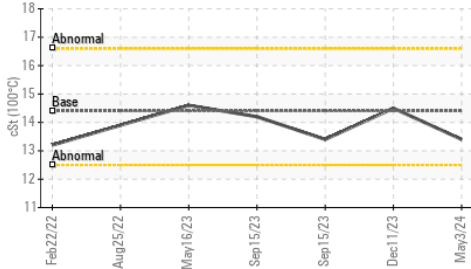
Base Number



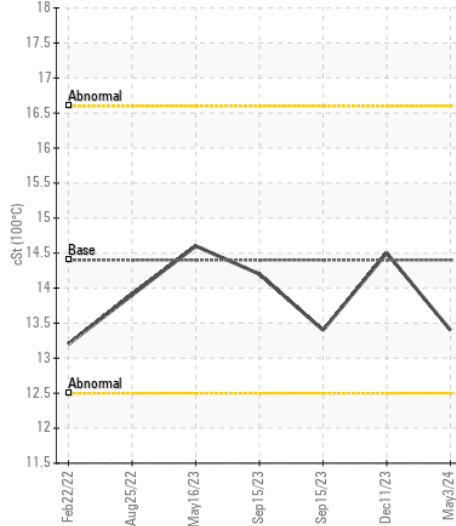
Non-ferrous Metals



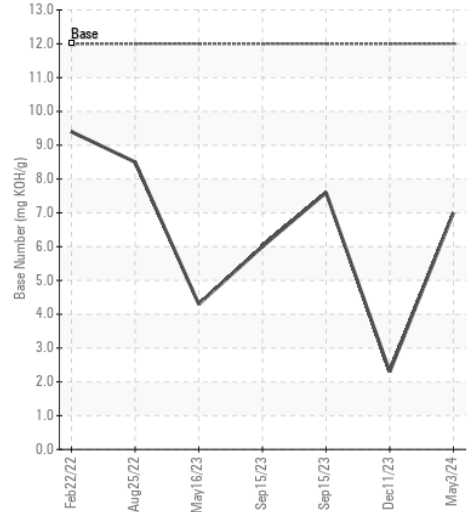
Viscosity @ 100°C



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016482
Lab Number : 06178408
Unique Number : 11029734
Test Package : FLEET

RTL PACLEASE - 7002 - San Antonio
 8810 IH-10 Frontage Road
 Converse, TX
 US 78109
 Contact: Mike Friel
 FrielM@RushEnterprises.Com
 T: (210)901-7283
 F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)