OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[45131830]
Machine Id
PETERBILT 9571396 Rental
Component
Diesel Engine
Fluid
MOBIL DELVAC MX 15W40 (42 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

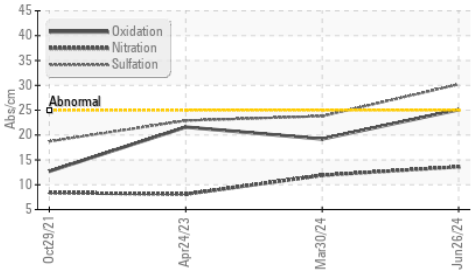
There is no indication of any contamination in the oil.

FLUID CONDITION

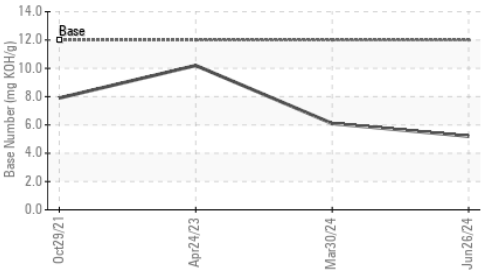
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016524	RPL0016470	RPL0012126
Sample Date		Client Info		26 Jun 2024	30 Mar 2024	24 Apr 2023
Machine Age	mls	Client Info		151043	136342	81943
Oil Age	mls	Client Info		56533	41832	21025
Filter Age	mls	Client Info		56533	41832	21025
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>165	66	33	36
Chromium	ppm	ASTM D5185m	>5	3	1	1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	10	4	4
Lead	ppm	ASTM D5185m	>150	5	4	<1
Copper	ppm	ASTM D5185m	>90	8	2	<1
Tin	ppm	ASTM D5185m	>5	1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>35	10	6	9
Potassium	ppm	ASTM D5185m	>20	20	8	8
Fuel		WC Method	>3.0	<1.0	<1.0	0.7
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>7.5	1.1	0.5	0.2
Nitration	Abs/cm	*ASTM D7624	>20	13.6	11.9	8.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	30.2	23.8	22.9
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
Sodium	ppm	ASTM D5185m		5	2	3
Boron	ppm	ASTM D5185m		9	12	55
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		69	65	44
Manganese	ppm	ASTM D5185m		2	<1	1
Magnesium	ppm	ASTM D5185m		859	868	550
Calcium	ppm	ASTM D5185m		1352	1373	1752
Phosphorus	ppm	ASTM D5185m		1081	1094	814
Zinc	ppm	ASTM D5185m		1325	1321	1015
Sulfur	ppm	ASTM D5185m		3503	3855	3181
Oxidation	Abs/.1mm	*ASTM D7414	>25	25.1	19.2	21.6
Base Number (BN)	mg KOH/g	ASTM D2896	12	5.2	6.1	10.2
Visc @ 100°C	cSt	ASTM D445	14.4	13.1	13.2	12.4

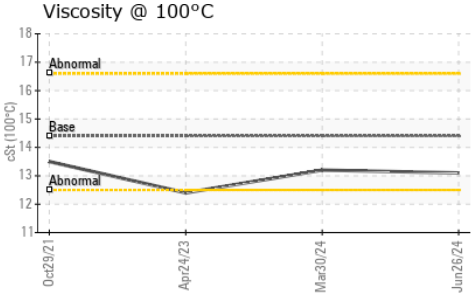
FT-IR (Direct Trend)



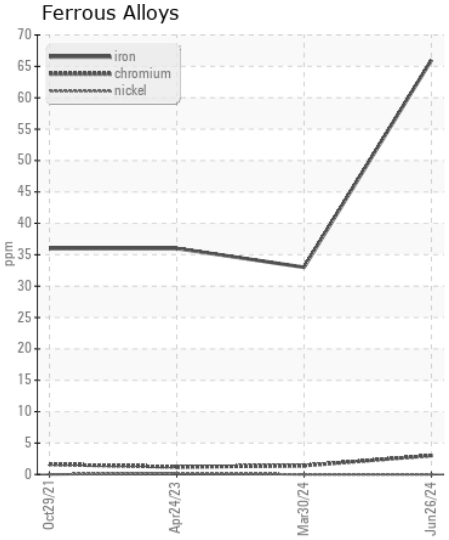
Base Number



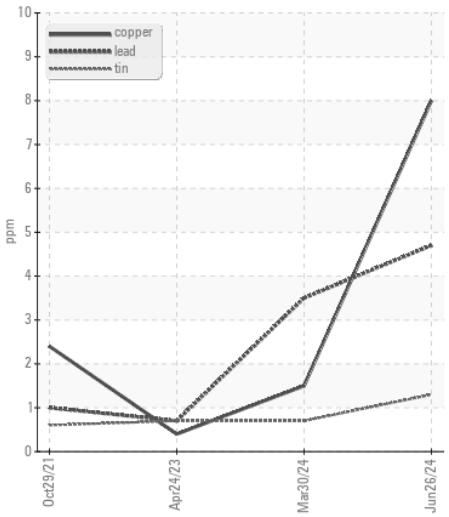
Viscosity @ 100°C



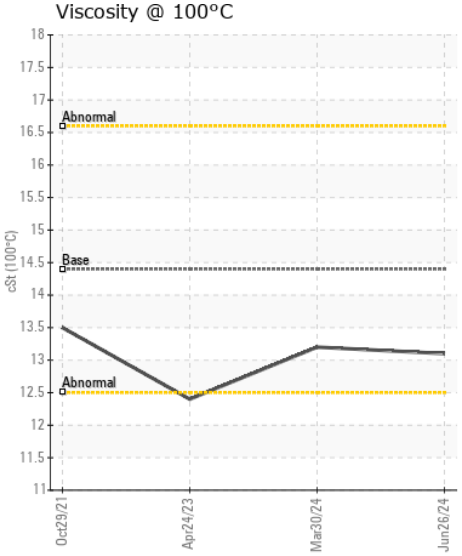
Ferrous Alloys



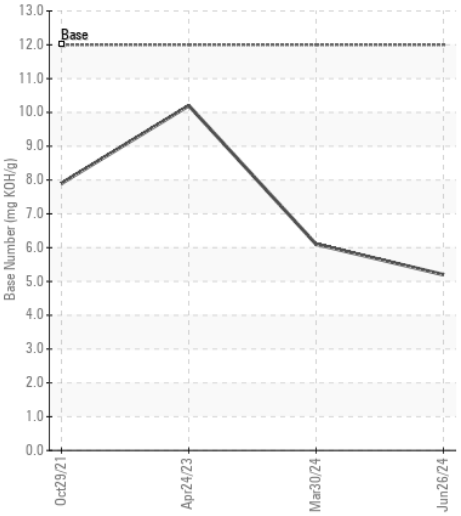
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016524
Lab Number : 06238802
Unique Number : 11127636
Test Package : FLEET

Received : 17 Jul 2024
Tested : 17 Jul 2024
Diagnosed : 18 Jul 2024 - Sean Felton

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)

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: