OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	ABNORMAL

Machine Id
PETERBILT 9571503
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (45 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

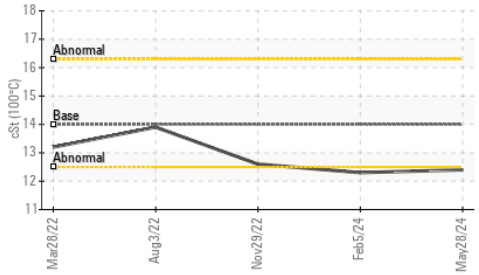
Light fuel dilution occurring. No other contaminants were detected in the oil.

FLUID CONDITION

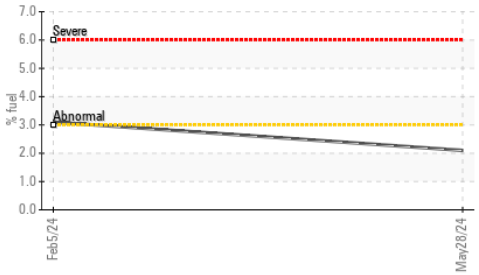
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0015919	RPL0015883	RPL0006326
Sample Date		Client Info		28 May 2024	05 Feb 2024	29 Nov 2022
Machine Age	mls	Client Info		0	163044	135583
Oil Age	mls	Client Info		0	24212	126836
Filter Age	mls	Client Info		0	24212	8744
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>90	15	13	17
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	4	2
Lead	ppm	ASTM D5185m	>40	3	0	0
Copper	ppm	ASTM D5185m	>330	<1	<1	0
Tin	ppm	ASTM D5185m	>15	1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	9	0	6
Potassium	ppm	ASTM D5185m	>20	8	<1	5
Fuel	%	ASTM D3524	>3.0	▲ 2.1	▲ 3.1	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	0.7	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	11.4	7.9	11.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.4	16.3	23.2
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		7	1	1
Boron	ppm	ASTM D5185m	0	27	79	22
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	55	116	50
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	0	540	638	592
Calcium	ppm	ASTM D5185m		1508	1152	1521
Phosphorus	ppm	ASTM D5185m		731	697	795
Zinc	ppm	ASTM D5185m		892	813	1007
Sulfur	ppm	ASTM D5185m		2707	2811	2720
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.6	12.7	21.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	7.8	5.8	11.2
Visc @ 100°C	cSt	ASTM D445	14	▲ 12.4	▲ 12.3	12.6

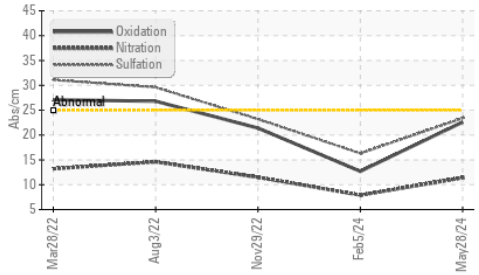
Viscosity @ 100°C



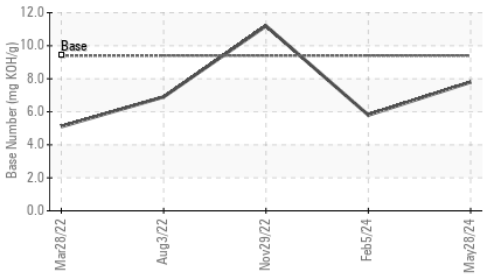
Fuel Dilution



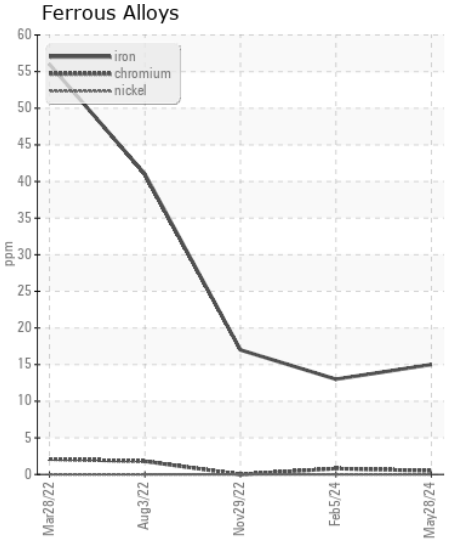
FT-IR (Direct Trend)



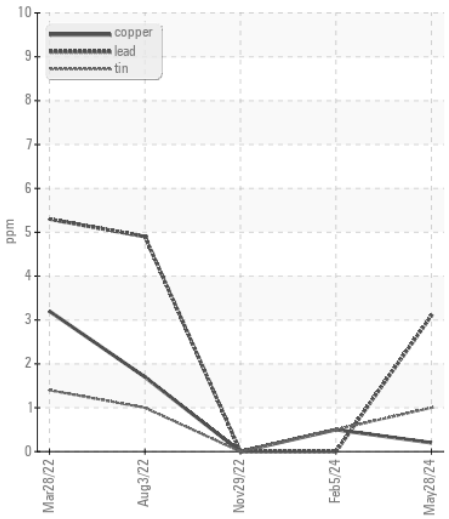
Base Number



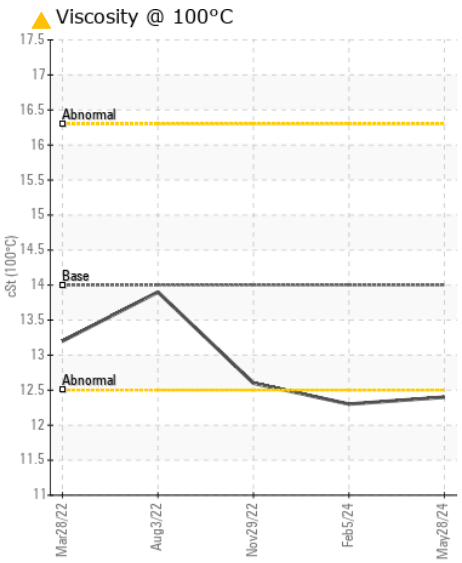
Ferrous Alloys



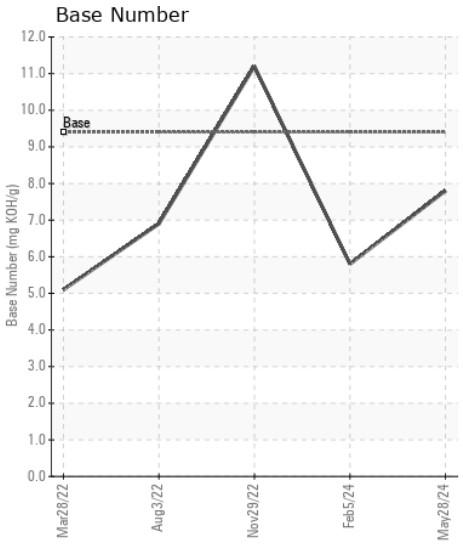
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0015919
Lab Number : 06193769
Unique Number : 11055892
Test Package : FLEET (Additional Tests: PercentFuel)

Received : 29 May 2024
Tested : 03 Jun 2024
Diagnosed : 03 Jun 2024 - Wes Davis

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 - 7004 - Austin
1205 Smith Road
Austin, TX
US 78721
Contact: David Johnson
JohnsonD@RushEnterprises.com
T: (512)401-7063
F: