OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[43018298]
Machine Id
PETERBILT 957-1720 TEI Contract Maintenance
Component
Diesel Engine
Fluid
MOBIL DELVAC MX 15W40 (28 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

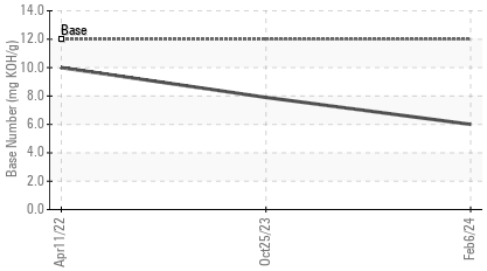
There is no indication of any contamination in the oil.

FLUID CONDITION

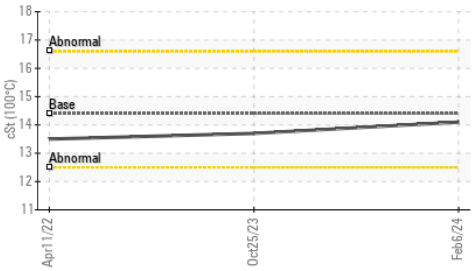
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016419	RPL0013681	RPL0001593
Sample Date		Client Info		06 Feb 2024	25 Oct 2023	11 Apr 2022
Machine Age	mls	Client Info		668215	665789	627210
Oil Age	mls	Client Info		18859	16433	3292
Filter Age	mls	Client Info		18859	16433	3292
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>90	56	37	25
Chromium	ppm	ASTM D5185m	>4	1	1	2
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	1	2	2
Lead	ppm	ASTM D5185m	>50	13	4	2
Copper	ppm	ASTM D5185m	>55	16	11	18
Tin	ppm	ASTM D5185m	>4	<1	1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>15	9	8	7
Potassium	ppm	ASTM D5185m	>20	20	13	22
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	1.7	1.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	15.1	13.3	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.3	26.1	22.4
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		12	12	29
Boron	ppm	ASTM D5185m		23	26	248
Barium	ppm	ASTM D5185m		9	0	0
Molybdenum	ppm	ASTM D5185m		51	46	67
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		530	548	380
Calcium	ppm	ASTM D5185m		1590	1765	1686
Phosphorus	ppm	ASTM D5185m		684	785	989
Zinc	ppm	ASTM D5185m		958	1006	1152
Sulfur	ppm	ASTM D5185m		2307	2370	3150
Oxidation	Abs/.1mm	*ASTM D7414	>25	31.3	27.3	17.4
Base Number (BN)	mg KOH/g	ASTM D2896	12	6.0	7.9	10
Visc @ 100°C	cSt	ASTM D445	14.4	14.1	13.7	13.5

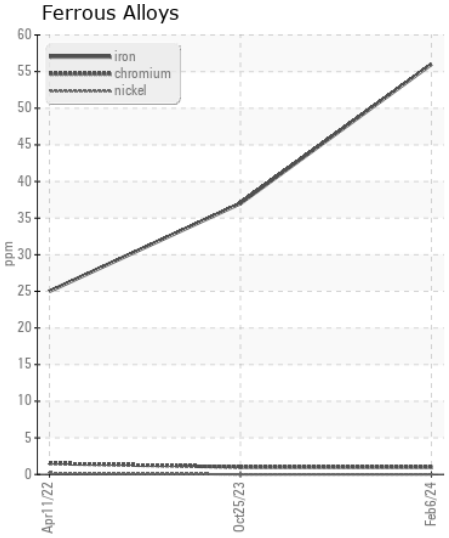
Base Number



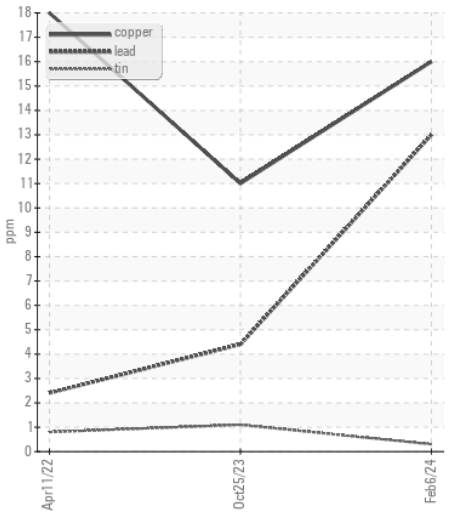
Viscosity @ 100°C



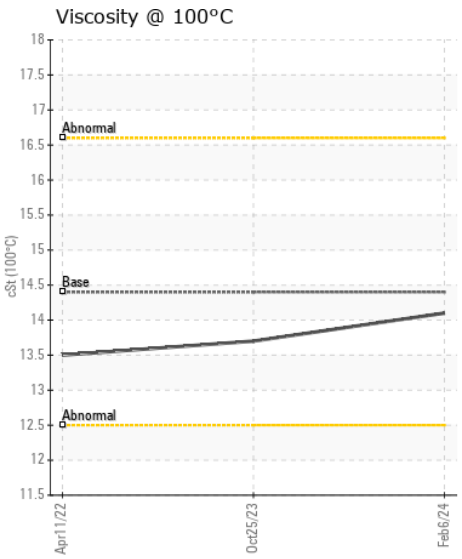
Ferrous Alloys



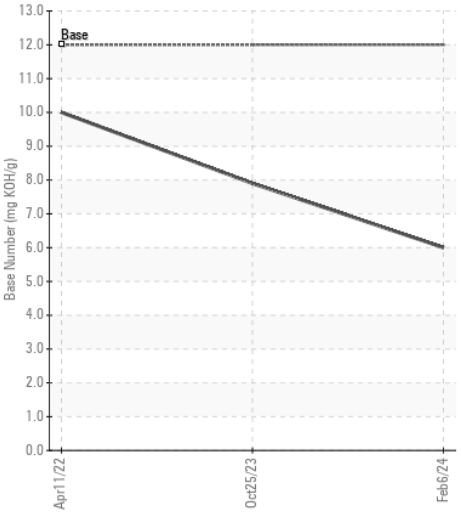
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016419
Lab Number : 06088526
Unique Number : 10875971
Test Package : FLEET

Received : 14 Feb 2024
Tested : 15 Feb 2024
Diagnosed : 15 Feb 2024 - Don Baldridge

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)

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