OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[43281859]
Machine Id
PETERBILT 957-1477 Rental Unit
Component
Diesel Engine
Fluid
MOBIL DELVAC MX 15W40 (40)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

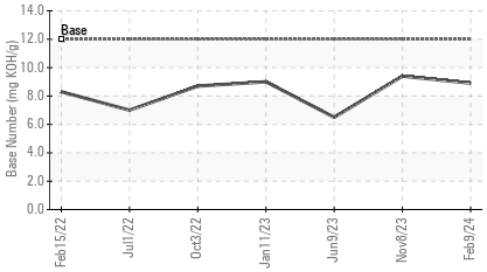
There is no indication of any contamination in the oil.

FLUID CONDITION

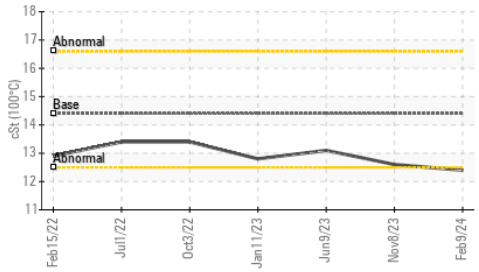
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016427	RPL0013688	RPL0012181
Sample Date		Client Info		09 Feb 2024	08 Nov 2023	09 Jun 2023
Machine Age	mls	Client Info		236892	233934	222298
Oil Age	mls	Client Info		14618	11660	38421
Filter Age	mls	Client Info		14618	11660	38421
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>165	33	14	28
Chromium	ppm	ASTM D5185m	>5	<1	<1	2
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	3	<1
Lead	ppm	ASTM D5185m	>150	<1	1	9
Copper	ppm	ASTM D5185m	>90	<1	0	1
Tin	ppm	ASTM D5185m	>5	0	<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	>35	7	7	9
Potassium	ppm	ASTM D5185m	>20	9	4	6
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	>7.5	0.5	0.4	0.8
Nitration	Abs/cm	*ASTM D7624	>20	9.2	8.5	12.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.2	23.2	26.1
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		0	1	3
Boron	ppm	ASTM D5185m		30	34	20
Barium	ppm	ASTM D5185m		8	0	0
Molybdenum	ppm	ASTM D5185m		43	39	52
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		479	517	575
Calcium	ppm	ASTM D5185m		1504	1675	2016
Phosphorus	ppm	ASTM D5185m		655	769	862
Zinc	ppm	ASTM D5185m		880	946	1129
Sulfur	ppm	ASTM D5185m		2252	2409	3320
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.6	21.5	26.0
Base Number (BN)	mg KOH/g	ASTM D2896	12	8.9	9.4	6.5
Visc @ 100°C	cSt	ASTM D445	14.4	12.4	12.6	13.1

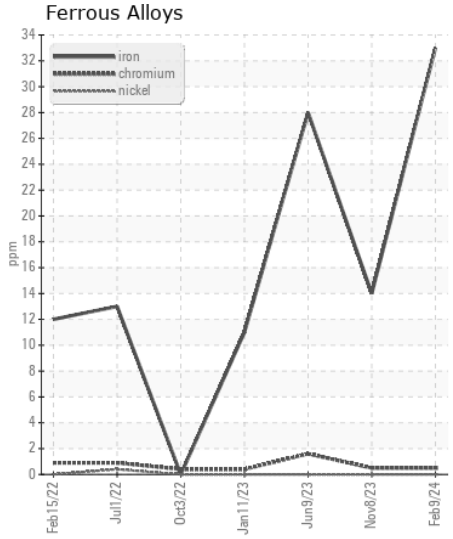
Base Number



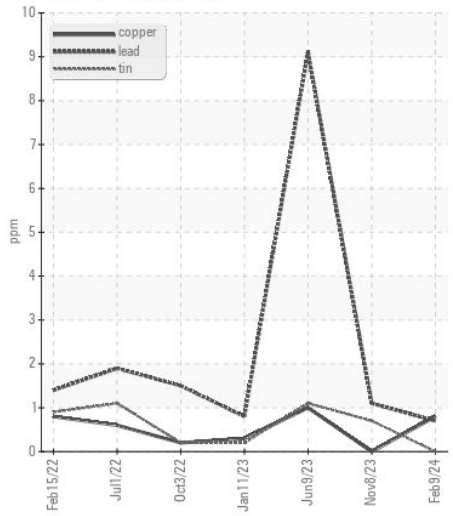
Viscosity @ 100°C



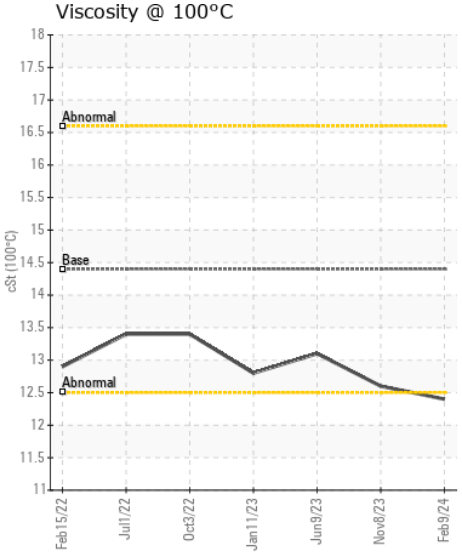
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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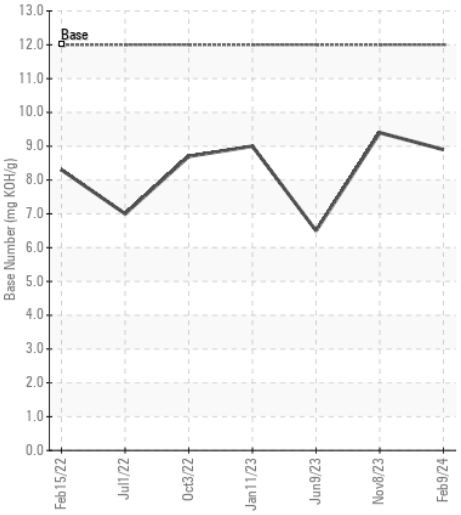

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016427
Lab Number : 06088548
Unique Number : 10875993
Test Package : FLEET

Received : 14 Feb 2024
Tested : 15 Feb 2024
Diagnosed : 15 Feb 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)

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