OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[43017832]
Machine Id
PETERBILT 957-1262 TEI
Component
Diesel Engine
Fluid
MOBIL DELVAC MX 15W40 (23 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

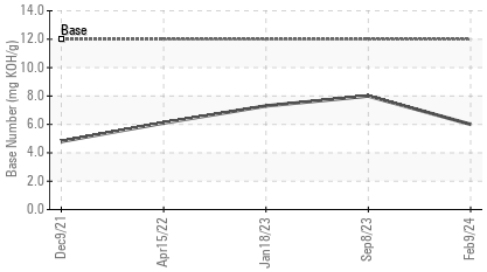
There is no indication of any contamination in the oil.

FLUID CONDITION

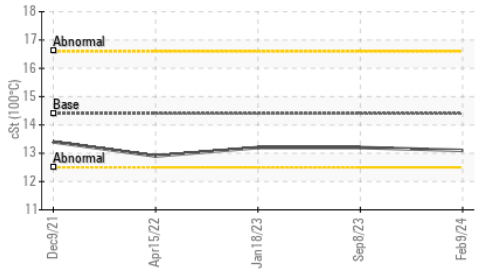
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016414	RPL0013609	RPL0006678
Sample Date		Client Info		09 Feb 2024	08 Sep 2023	18 Jan 2023
Machine Age	mls	Client Info		328472	193531	171004
Oil Age	mls	Client Info		0	10443	13194
Filter Age	mls	Client Info		0	10443	13194
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	23	25	27
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	7	7
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	1	1	3
Tin	ppm	ASTM D5185m	>15	0	<1	<1
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	7	10	8
Potassium	ppm	ASTM D5185m	>20	6	7	17
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	0.4	0.4	0.6
Nitration	Abs/cm	*ASTM D7624	>20	12.3	10.7	12.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.8	22.2	24.6
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	3	17
Boron	ppm	ASTM D5185m		25	23	26
Barium	ppm	ASTM D5185m		8	0	0
Molybdenum	ppm	ASTM D5185m		43	43	56
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		475	547	493
Calcium	ppm	ASTM D5185m		1455	1827	1713
Phosphorus	ppm	ASTM D5185m		647	784	802
Zinc	ppm	ASTM D5185m		866	993	1031
Sulfur	ppm	ASTM D5185m		2157	2959	3447
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.5	24.0	26.2
Base Number (BN)	mg KOH/g	ASTM D2896	12	6.0	8.0	7.3
Visc @ 100°C	cSt	ASTM D445	14.4	13.1	13.2	13.2

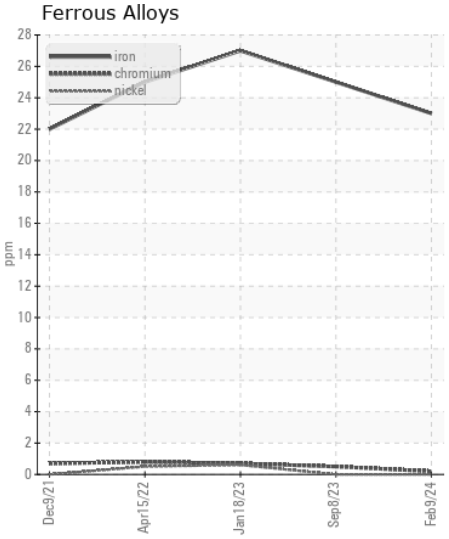
Base Number



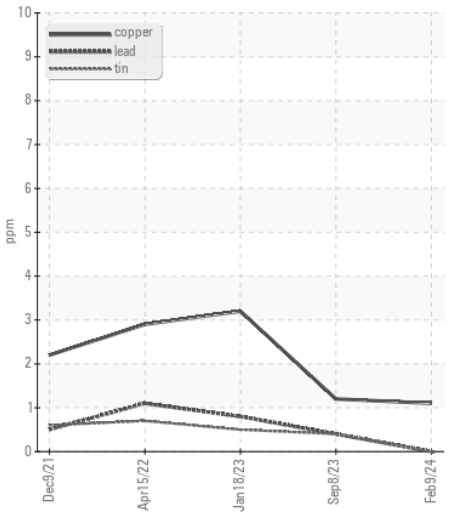
Viscosity @ 100°C



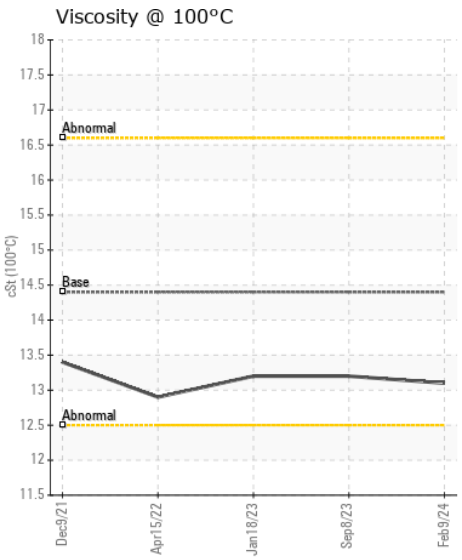
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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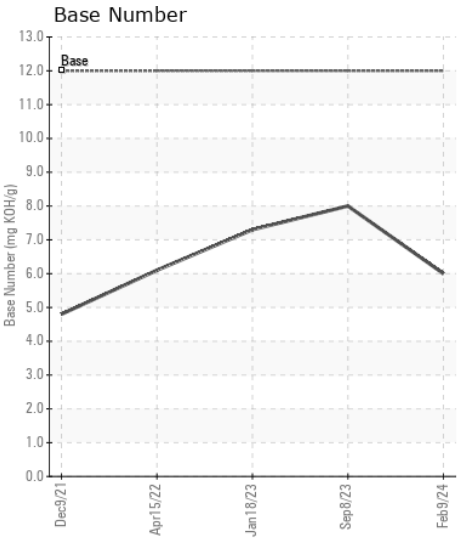

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016414
Lab Number : 06088527
Unique Number : 10875972
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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