MileGuard™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT 355 SERVICE GEC 1009 (S/N 2NP2HJ7X7HM414636)
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

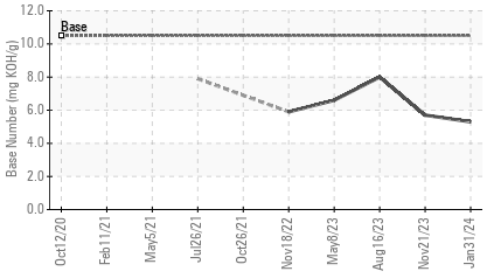
There is no indication of any contamination in the oil.

FLUID CONDITION

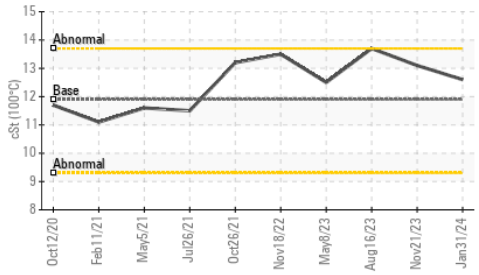
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TLY0002257	TLY0002009	TLY0001777
Sample Date		Client Info		31 Jan 2024	21 Nov 2023	16 Aug 2023
Machine Age	mls	Client Info		253390	245179	233741
Oil Age	mls	Client Info		245179	11438	5741
Filter Age	mls	Client Info		245179	11438	5741
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>110	19	36	39
Chromium	ppm	ASTM D5185m	>4	1	2	4
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	5
Lead	ppm	ASTM D5185m	>45	1	<1	0
Copper	ppm	ASTM D5185m	>85	1	2	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>30	5	9	7
Potassium	ppm	ASTM D5185m	>20	4	4	3
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.4	0.6	0.6
Nitration	Abs/cm	*ASTM D7624	>20	11.9	14.4	13.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.7	25.7	25.6
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		11	13	11
Boron	ppm	ASTM D5185m		43	28	41
Barium	ppm	ASTM D5185m		13	<1	0
Molybdenum	ppm	ASTM D5185m		54	51	69
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		554	544	688
Calcium	ppm	ASTM D5185m		1638	1684	1722
Phosphorus	ppm	ASTM D5185m		818	782	899
Zinc	ppm	ASTM D5185m		956	962	1102
Sulfur	ppm	ASTM D5185m		2837	2731	3260
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.7	30.7	27.4
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	5.3	5.7	8.0
Visc @ 100°C	cSt	ASTM D445	11.9	12.6	13.1	13.7

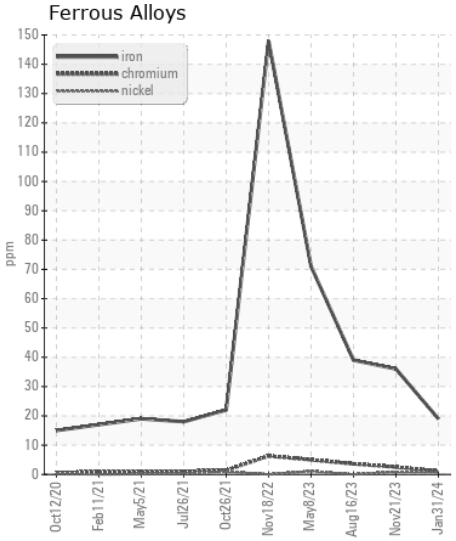
Base Number



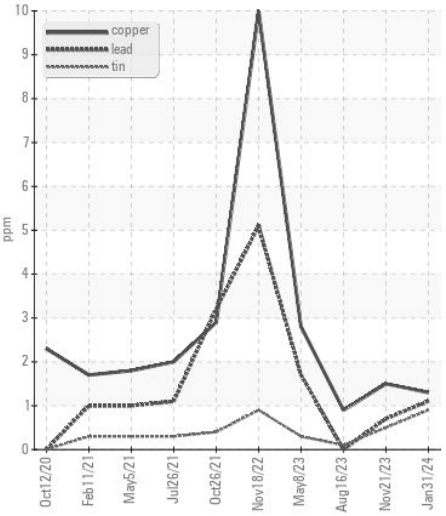
Viscosity @ 100°C



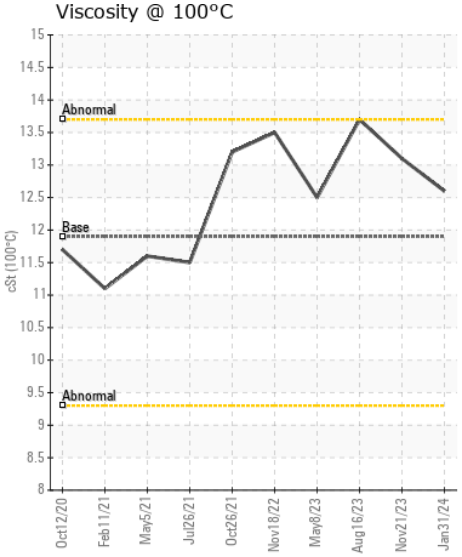
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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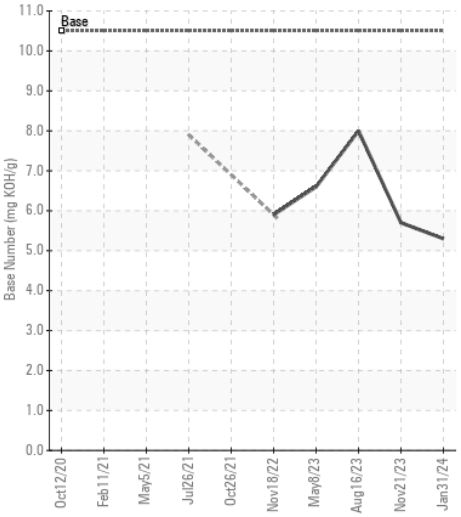

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TLY0002257 **Received** : 12 Feb 2024
Lab Number : 06086578 **Tested** : 13 Feb 2024
Unique Number : 10874023 **Diagnosed** : 13 Feb 2024 - Wes Davis
Test Package : CONST (Additional Tests: TBN)

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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