LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 5 - Cross Lanes
Machine Id
PETERBILT 337 2NP2HJ6X2EM230105
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (7 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry update for machine time.

WEAR

All component wear rates are normal.

CONTAMINATION

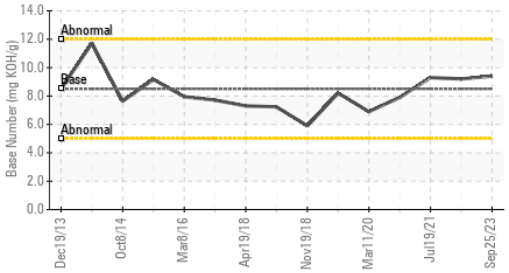
There is no indication of any contamination in the oil.

FLUID CONDITION

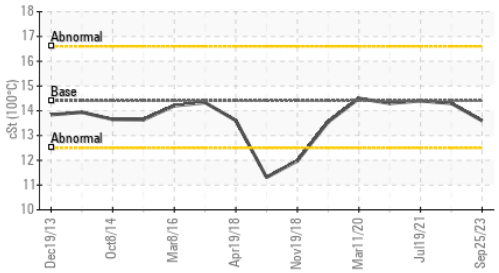
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0043920	LEC0026395	LEC0022233
Sample Date		Client Info		25 Sep 2023	03 Dec 2021	19 Jul 2021
Machine Age	mls	Client Info		175772	169130	158900
Oil Age	mls	Client Info		13748	10230	7530
Filter Age	mls	Client Info		13748	10230	7530
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>110	26	20	20
Chromium	ppm	ASTM D5185m	>4	1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	8	6	1
Lead	ppm	ASTM D5185m	>45	<1	<1	<1
Copper	ppm	ASTM D5185m	>85	2	5	2
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>!20	8	7	9
Potassium	ppm	ASTM D5185m	>20	8	9	7
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	0.7	0.1	0.5
Nitration	Abs/cm	*ASTM D7624	>20	11.4	6.5	11.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.9	19.2	25.2
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	>158	15	3	2
Boron	ppm	ASTM D5185m	250	226	139	186
Barium	ppm	ASTM D5185m	10	0	0	<1
Molybdenum	ppm	ASTM D5185m	100	260	260	261
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	450	920	919	817
Calcium	ppm	ASTM D5185m	3000	1590	1615	1464
Phosphorus	ppm	ASTM D5185m	1150	965	900	895
Zinc	ppm	ASTM D5185m	1350	1268	1061	996
Sulfur	ppm	ASTM D5185m	4250	3511	2861	2583
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.5	14.9	21.3
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.4	9.2	9.3
Visc @ 100°C	cSt	ASTM D445	14.4	13.6	14.3	14.4

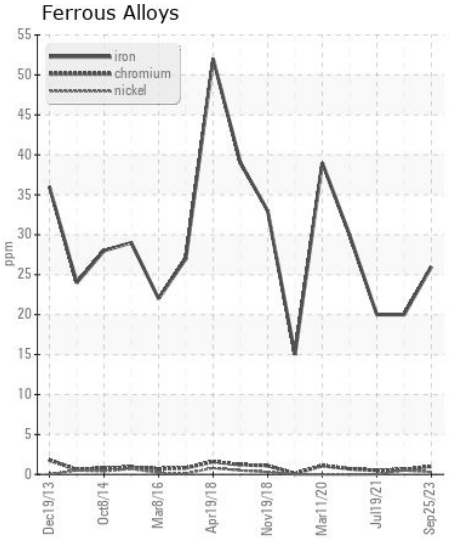
Base Number



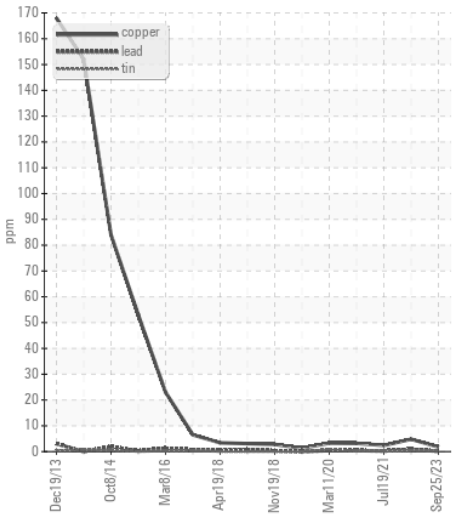
Viscosity @ 100°C



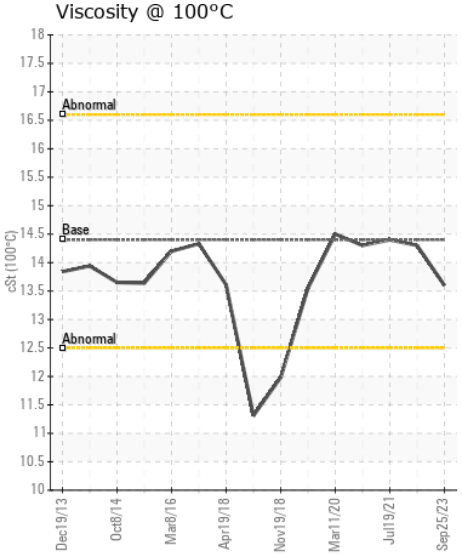
Ferrous Alloys



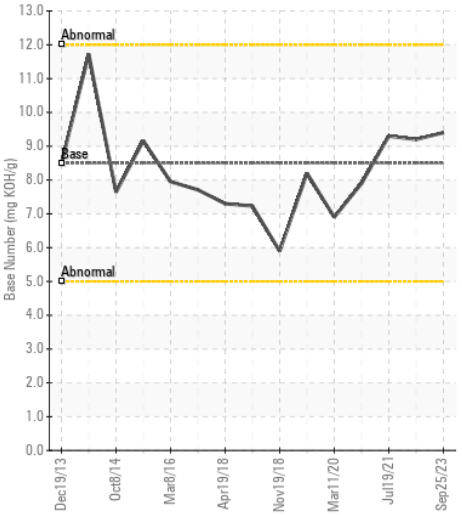
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0043920 **Recieved** : 28 Sep 2023
Lab Number : 05963396 **Diagnosed** : 18 Jan 2024
Unique Number : 10669947 **Diagnostician** : Doug Bogart
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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