



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FREIGHTLINER 17773
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (22 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0798083	WC0798078	WC0798064
Sample Date		Client Info		12 Feb 2024	18 Sep 2023	05 Jun 2023
Machine Age	mls	Client Info		246881	238521	232164
Oil Age	mls	Client Info		8360	6357	6819
Filter Age	mls	Client Info		8360	6357	6819
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	10	9	9
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	0
Aluminum	ppm	ASTM D5185m	>20	2	3	2
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	<1	0	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

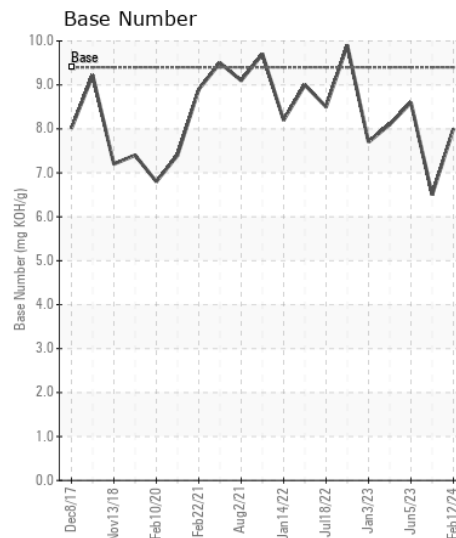
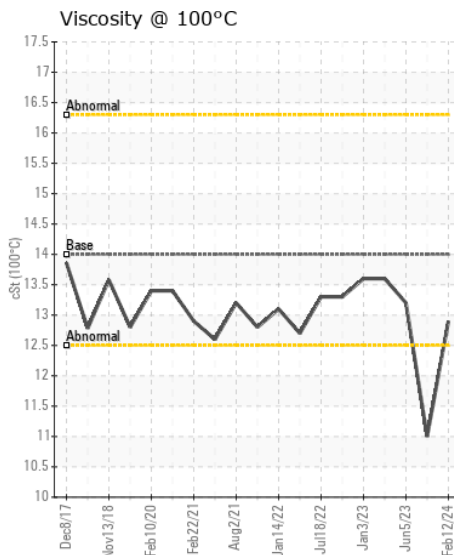
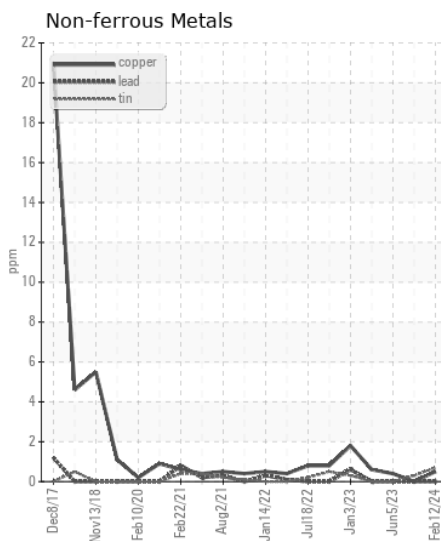
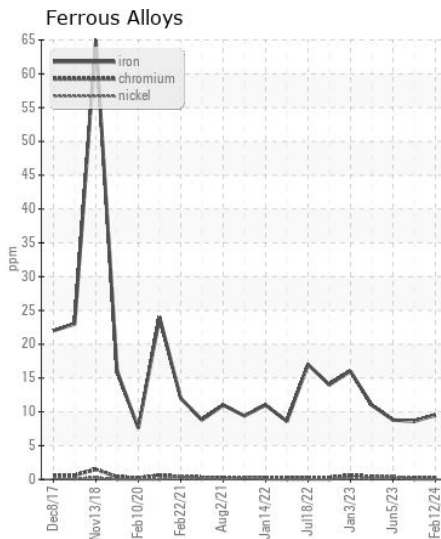
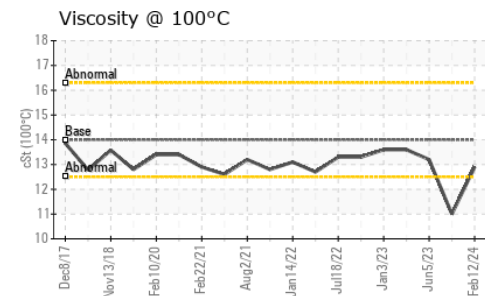
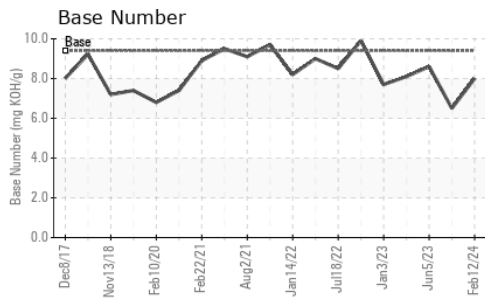
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	3	6	3
Potassium	ppm	ASTM D5185m	>20	<1	3	3
Fuel		WC Method	>3.0	<1.0	▲ 1.1	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	0.2	0	0.2
Nitration	Abs/cm	*ASTM D7624	>20	9.4	9.8	9.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.3	22.4	22.1
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

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.

Sodium	ppm	ASTM D5185m		<1	2	2
Boron	ppm	ASTM D5185m	0	6	38	5
Barium	ppm	ASTM D5185m	0	0	0	2
Molybdenum	ppm	ASTM D5185m	0	69	121	71
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	943	739	1011
Calcium	ppm	ASTM D5185m		1123	1355	1174
Phosphorus	ppm	ASTM D5185m		988	882	1103
Zinc	ppm	ASTM D5185m		1235	1104	1371
Sulfur	ppm	ASTM D5185m		2955	3279	3665
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.8	17.9	20.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.0	6.5	8.6
Visc @ 100°C	cSt	ASTM D445	14	12.9	▲ 11.0	13.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0798083

Lab Number : 06097467

Unique Number : 10890320

Test Package : FLEET

Received : 22 Feb 2024

Tested : 23 Feb 2024

Diagnosed : 24 Feb 2024 - Don Baldrige

SALEM NATIONALEASE CORPORATION

198 PARK PLAZA DRIVE

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US 27105

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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)