



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

1

Component

Diesel Engine

Fluid

FLEETLINE SUPERFLEET XHD 15W40 (11 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LP0001451	LP0001264	---
Sample Date		Client Info		20 Jun 2024	23 Apr 2024	---
Machine Age	mls	Client Info		18383	8279	---
Oil Age	mls	Client Info		18383	8279	---
Filter Age	mls	Client Info		0	8279	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	32	101	---
Chromium	ppm	ASTM D5185m	>4	1	2	---
Nickel	ppm	ASTM D5185m	>2	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>2	<1	<1	---
Aluminum	ppm	ASTM D5185m	>25	20	25	---
Lead	ppm	ASTM D5185m	>45	3	4	---
Copper	ppm	ASTM D5185m	>85	9	23	---
Tin	ppm	ASTM D5185m	>4	1	3	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

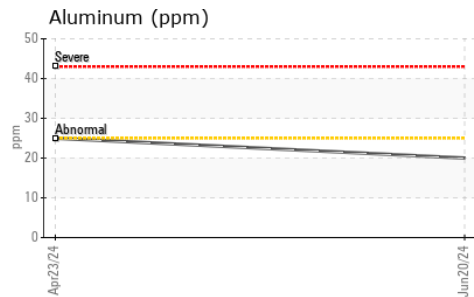
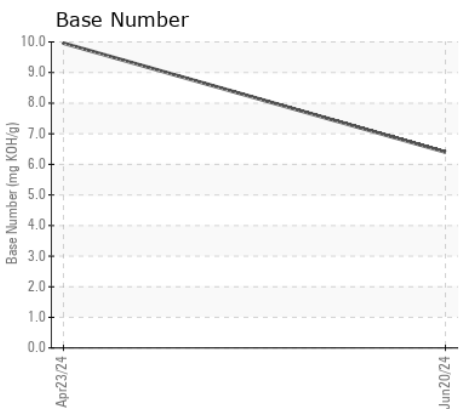
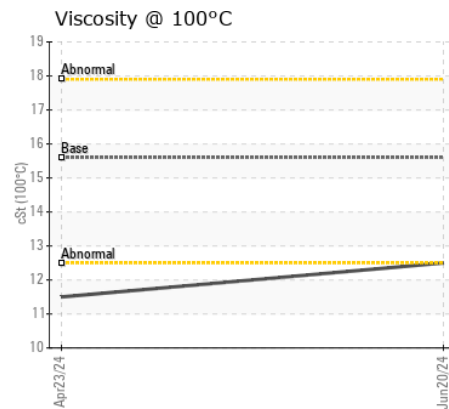
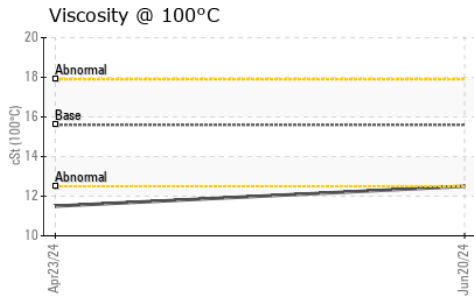
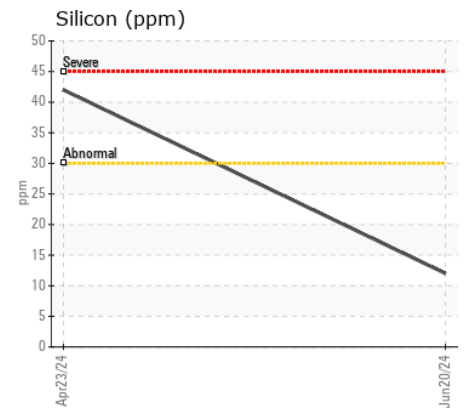
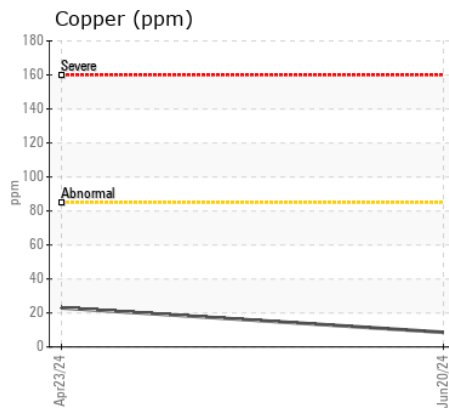
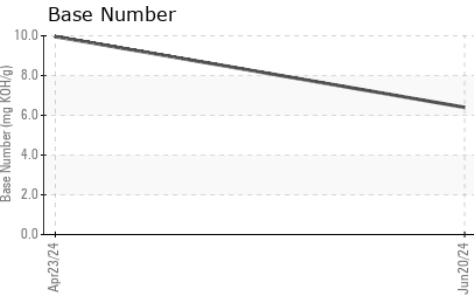
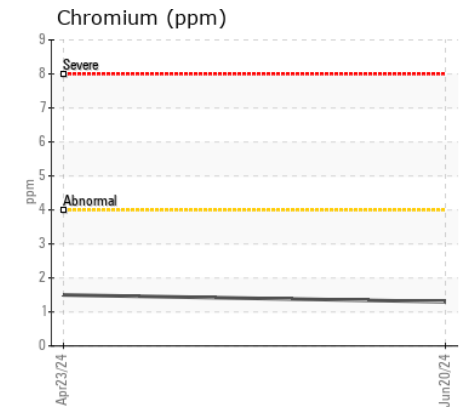
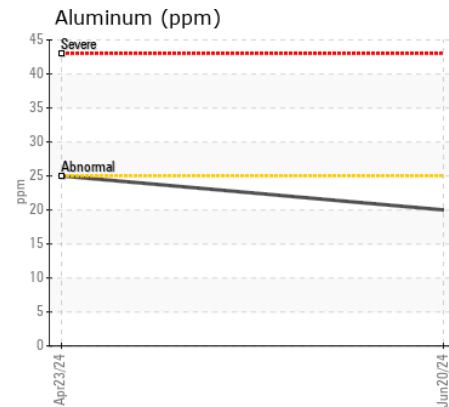
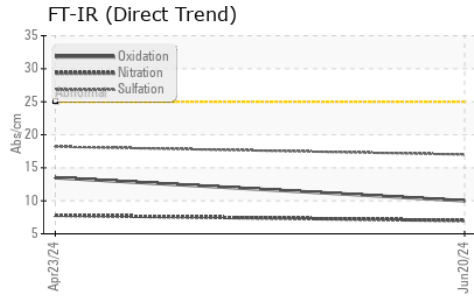
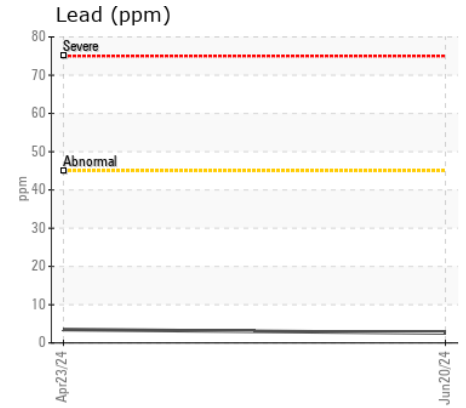
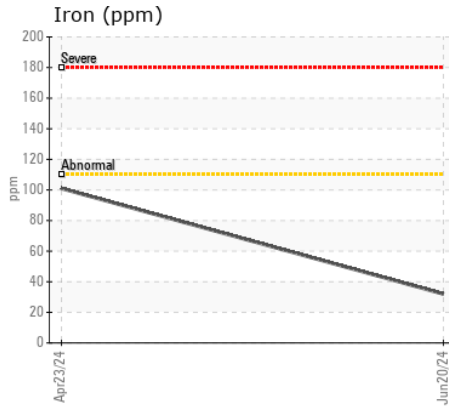
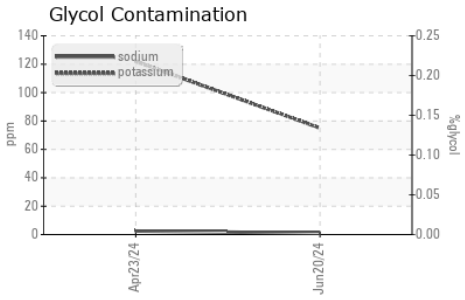
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185m	>30	12	42	---
Potassium	ppm	ASTM D5185m	>20	75	122	---
Fuel		WC Method	>5	<1.0	0.4	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.3	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	7.0	7.8	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.0	18.2	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	2	---
Boron	ppm	ASTM D5185m		15	105	---
Barium	ppm	ASTM D5185m		0	1	---
Molybdenum	ppm	ASTM D5185m		7	19	---
Manganese	ppm	ASTM D5185m		2	5	---
Magnesium	ppm	ASTM D5185m		190	721	---
Calcium	ppm	ASTM D5185m		2269	1341	---
Phosphorus	ppm	ASTM D5185m		902	828	---
Zinc	ppm	ASTM D5185m		1091	885	---
Sulfur	ppm	ASTM D5185m		4211	3102	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.0	13.5	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.4	9.96	---
Visc @ 100°C	cSt	ASTM D445	15.6	12.5	11.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LP0001451
Lab Number : 06219029
Unique Number : 11097226
Test Package : MOB 2

Received : 24 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 26 Jun 2024 - Don Baldrige

SAV-ON TRANSPORTATION
 561 THOMAS B LANDERS ROAD
 EAST FALMOUTH, MA
 US 02536
 Contact: ANASTASIA
 Anastasia.savontrans@gmail.com

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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F: