FLEET LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(AY305K) Feldman Lumber-Tractor
Machine Id
[Feldman Lumber-Tractor] 196D267
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

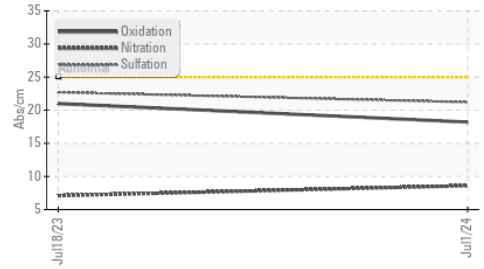
There is no indication of any contamination in the oil.

FLUID CONDITION

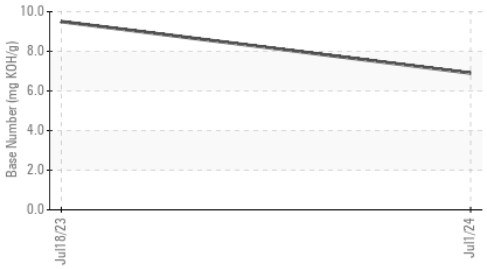
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0106072	PCA0098300	---
Sample Date		Client Info		01 Jul 2024	18 Jul 2023	---
Machine Age	mls	Client Info		14767	3770	---
Oil Age	mls	Client Info		10997	3770	---
Filter Age	mls	Client Info		10997	3770	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>80	30	40	---
Chromium	ppm	ASTM D5185m	>5	<1	<1	---
Nickel	ppm	ASTM D5185m	>2	0	1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	<1	1	---
Aluminum	ppm	ASTM D5185m	>30	6	5	---
Lead	ppm	ASTM D5185m	>30	0	<1	---
Copper	ppm	ASTM D5185m	>150	379	▲ 288	---
Tin	ppm	ASTM D5185m	>5	3	6	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>20	5	6	---
Potassium	ppm	ASTM D5185m	>20	9	7	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.3	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	8.6	7.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	22.7	---
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	---
Sodium	ppm	ASTM D5185m		4	6	---
Boron	ppm	ASTM D5185m	2	11	55	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	50	65	40	---
Manganese	ppm	ASTM D5185m	0	2	5	---
Magnesium	ppm	ASTM D5185m	950	815	516	---
Calcium	ppm	ASTM D5185m	1050	1235	1689	---
Phosphorus	ppm	ASTM D5185m	995	979	754	---
Zinc	ppm	ASTM D5185m	1180	1146	916	---
Sulfur	ppm	ASTM D5185m	2600	2511	2829	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.2	21.0	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.9	9.5	---
Visc @ 100°C	cSt	ASTM D445	12.00	10.5	9.5	---

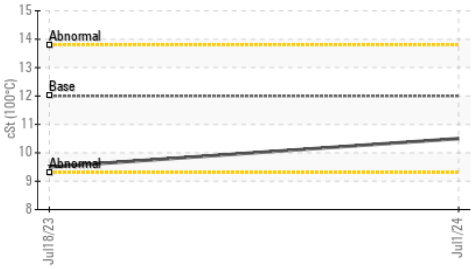
FT-IR (Direct Trend)



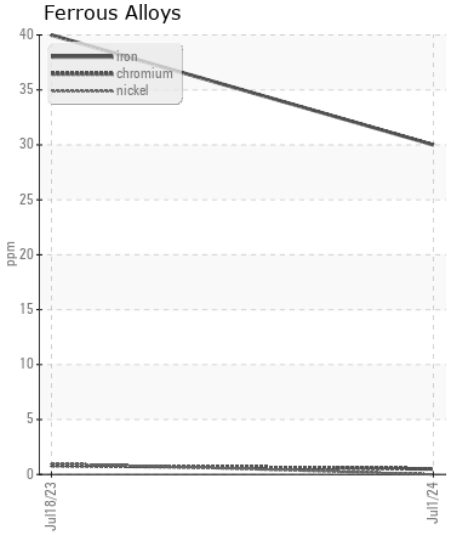
Base Number



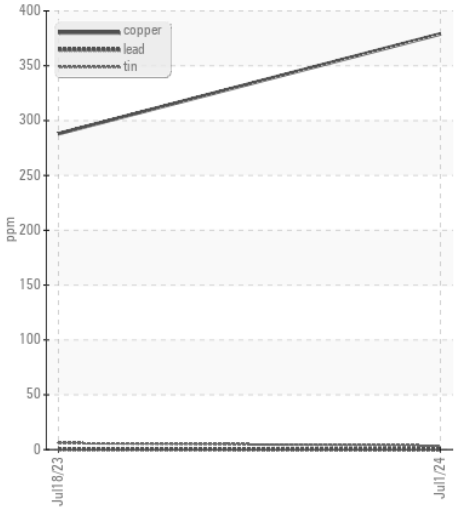
Viscosity @ 100°C



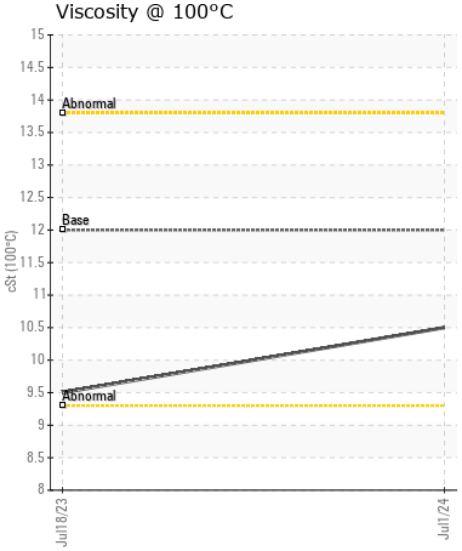
Ferrous Alloys



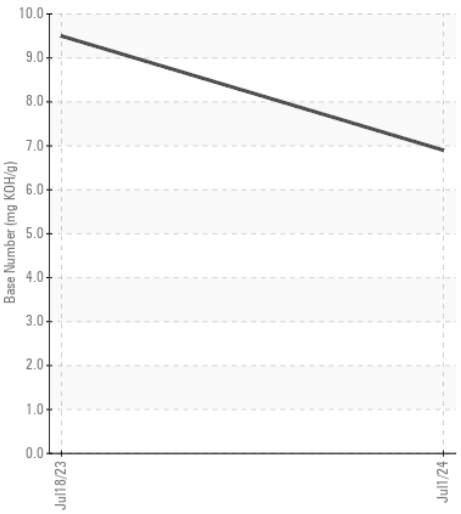
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0106072
Lab Number : 06235374
Unique Number : 11124208
Test Package : FLEET

Received : 15 Jul 2024
Tested : 15 Jul 2024
Diagnosed : 15 Jul 2024 - Wes Davis

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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Report Id: TSV1960 [WUSCAR] 06235374 (Generated: 07/15/2024 21:44:42) Rev: 1

Submitted By: Bill Kanzler