FLEET LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
{UNASSIGNED}
Machine Id
2120564 (S/N PE4045U114658)
Component
1 Diesel Engine
Fluid
PETRO CANADA DURON ADVANCED 10W30 (15 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

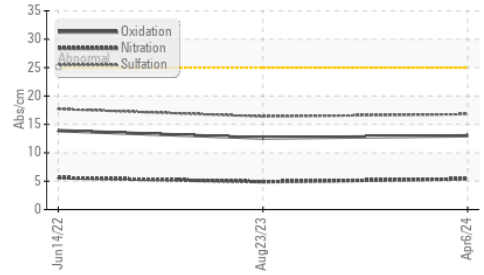
There is no indication of any contamination in the oil.

FLUID CONDITION

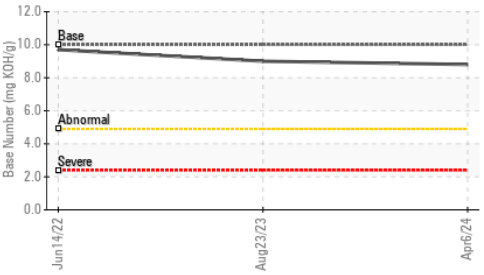
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0116274	PCA0104884	PCA0074672
Sample Date		Client Info		06 Apr 2024	23 Aug 2023	14 Jun 2022
Machine Age	hrs	Client Info		1765	1634	1182
Oil Age	hrs	Client Info		131	450	500
Filter Age	hrs	Client Info		131	450	500
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>51	4	2	3
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>31	1	1	<1
Lead	ppm	ASTM D5185m	>26	1	0	<1
Copper	ppm	ASTM D5185m	>26	<1	0	<1
Tin	ppm	ASTM D5185m	>4	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>22	3	2	2
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.4	4.9	5.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.8	16.4	17.7
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	>0.21	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>31	<1	0	<1
Boron	ppm	ASTM D5185m	0	4	5	6
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	60	61	57	58
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	845	941	882
Calcium	ppm	ASTM D5185m	1070	1056	1050	1140
Phosphorus	ppm	ASTM D5185m	1150	1044	1062	973
Zinc	ppm	ASTM D5185m	1270	1103	1299	1153
Sulfur	ppm	ASTM D5185m	2060	3102	3979	3516
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.0	12.6	13.9
Base Number (BN)	mg KOH/g	ASTM D2896	10.0	8.8	9.0	9.7
Visc @ 100°C	cSt	ASTM D445	10.3	11.0	11.3	11.1

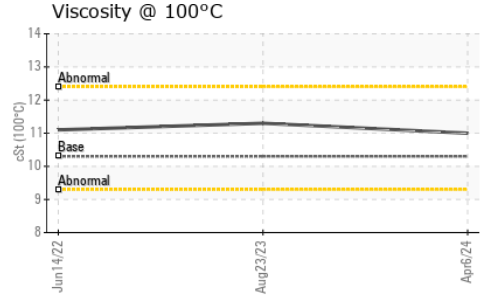
FT-IR (Direct Trend)



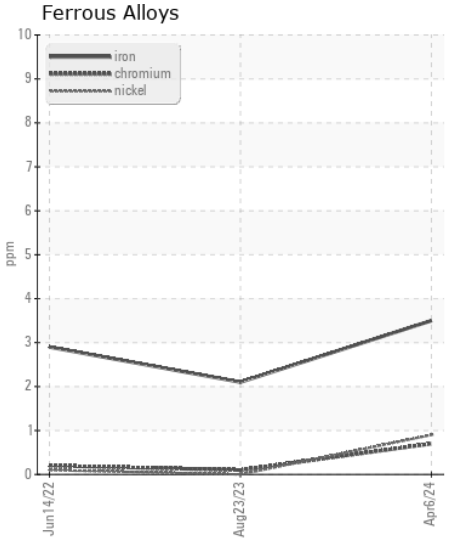
Base Number



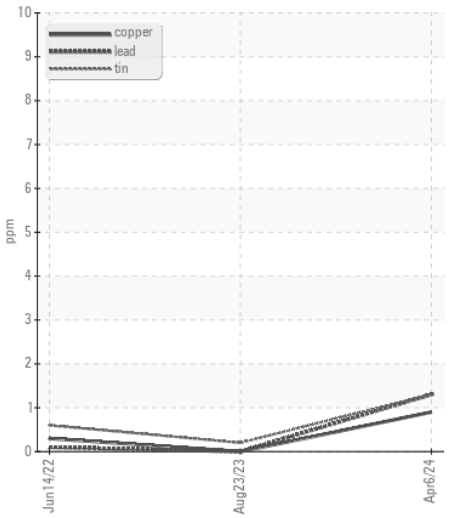
Viscosity @ 100°C



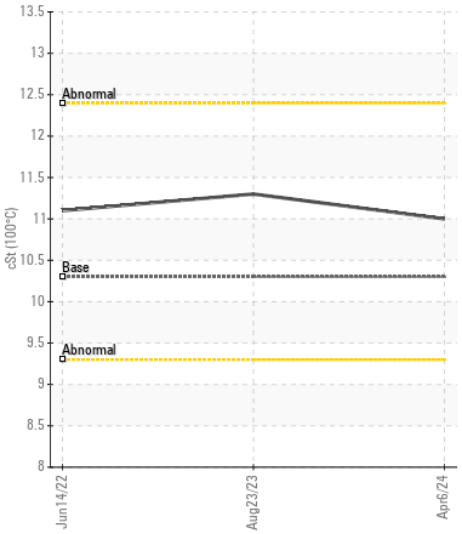
Ferrous Alloys



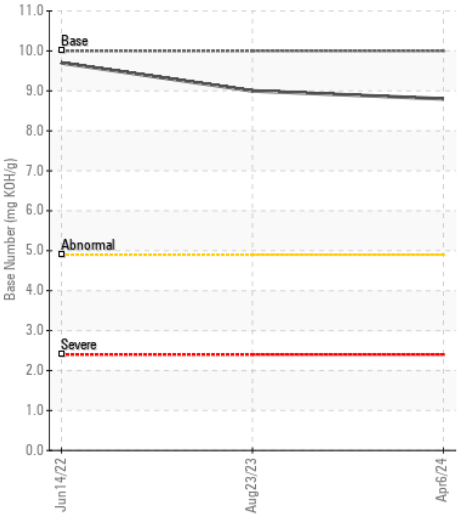
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0116274
Lab Number : 06146875
Unique Number : 10976953
Test Package : FLEET

Received : 12 Apr 2024
Tested : 15 Apr 2024
Diagnosed : 15 Apr 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)

PERDUE FARMS - DILLON
2047 HWY 9 WEST
DILLON, SC
US 29536
Contact: KEVIN HOOKS
kevin.hooks@perdue.com
T: (843)841-8069
F: (843)841-8070