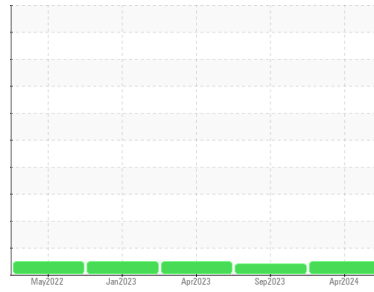


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
(89681X) Walgreens - Tractor
 Machine Id
[Walgreens - Tractor] 136A69102
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (11 GAL)

DIAGNOSIS

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0123374	PCA0106146	PCA0095127
Sample Date	Client Info		15 Apr 2024	07 Sep 2023	21 Apr 2023
Machine Age	mls	Client Info	697837	654427	534847
Oil Age	mls	Client Info	43410	59386	63896
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	ATTENTION	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	<1.0
Water	WC Method	>0.2	NEG	NEG	NEG
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >80	71	38	35
Chromium	ppm	ASTM D5185m >5	3	2	3
Nickel	ppm	ASTM D5185m >2	<1	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m >3	<1	0	0
Aluminum	ppm	ASTM D5185m >30	22	13	18
Lead	ppm	ASTM D5185m >30	<1	0	0
Copper	ppm	ASTM D5185m >150	8	9	5
Tin	ppm	ASTM D5185m >5	2	2	<1
Vanadium	ppm	ASTM D5185m	<1	<1	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	11	11	9
Barium	ppm	ASTM D5185m 0	0	0	0
Molybdenum	ppm	ASTM D5185m 50	72	55	64
Manganese	ppm	ASTM D5185m 0	<1	<1	1
Magnesium	ppm	ASTM D5185m 950	951	836	959
Calcium	ppm	ASTM D5185m 1050	1354	1135	1224
Phosphorus	ppm	ASTM D5185m 995	1177	948	1009
Zinc	ppm	ASTM D5185m 1180	1365	1212	1230
Sulfur	ppm	ASTM D5185m 2600	2954	3057	3140

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	10	10	7
Sodium	ppm	ASTM D5185m	12	7	2
Potassium	ppm	ASTM D5185m >20	13	18	2

INFRA-RED

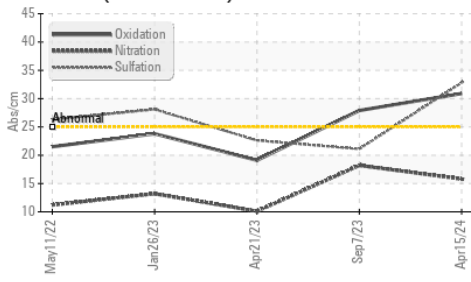
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	2.3	1.1	1.3
Nitration	Abs/cm	*ASTM D7624 >20	15.8	18.2	10.1
Sulfation	Abs/.1mm	*ASTM D7415 >30	32.8	21.1	22.6

FLUID DEGRADATION

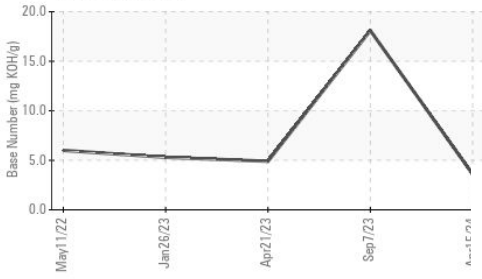
	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	30.9	27.9	19.1
Base Number (BN)	mg KOH/g	ASTM D2896	3.6	18.1	4.9

OIL ANALYSIS REPORT

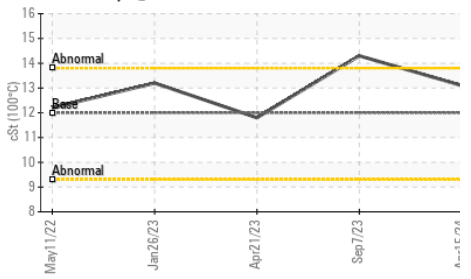
FT-IR (Direct Trend)



Base Number



Viscosity @ 100°C

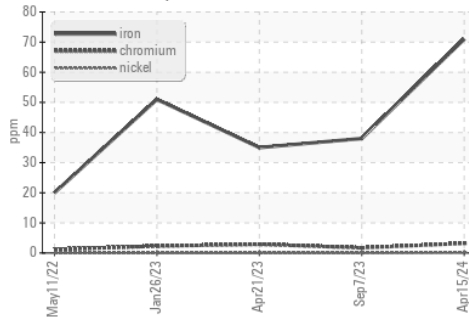


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

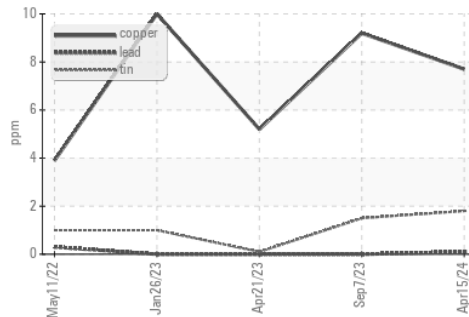
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	13.1	14.3

GRAPHS

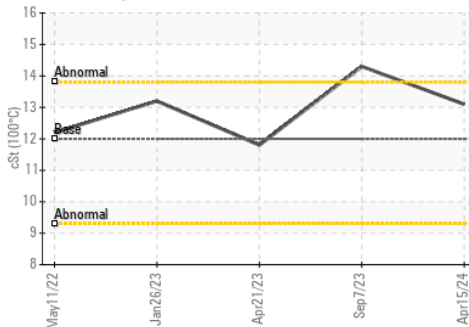
Ferrous Alloys



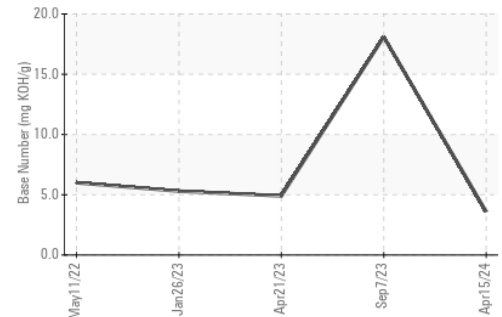
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0123374
Lab Number : 06153998
Unique Number : 10989421
Test Package : FLEET

Received : 19 Apr 2024
Tested : 22 Apr 2024
Diagnosed : 23 Apr 2024 - Don Baldrige

Transervice - Shop 1373 - Berkeley-Anderson/Pendergrass
 101 Alliance Parkway
 Williamston, SC
 US 29697

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)

Contact: Sonny Boucher
 sboucher@transervice.com
 T: (864)226-2304
 F: (864)226-2329