



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
ADVANCE MIXER M130 (S/N KCB44227)
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON HP 15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0109709	PCA0098503	PCA0098501
Sample Date		Client Info		22 Apr 2024	26 Oct 2023	23 May 2023
Machine Age	mls	Client Info		22245	21629	20824
Oil Age	mls	Client Info		22245	21629	20824
Filter Age	mls	Client Info		22245	21629	20824
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	44	13	38
Chromium	ppm	ASTM D5185m	>20	1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	1	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	1	<1
Lead	ppm	ASTM D5185m	>40	2	1	0
Copper	ppm	ASTM D5185m	>330	12	16	15
Tin	ppm	ASTM D5185m	>15	2	<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

CONTAMINATION

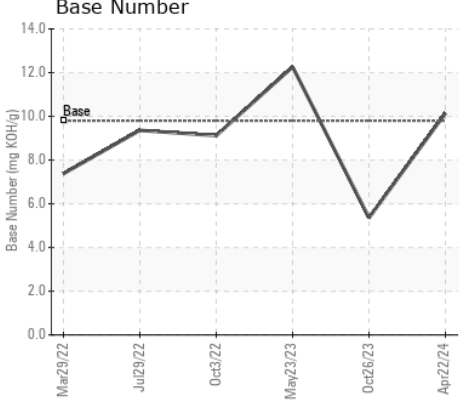
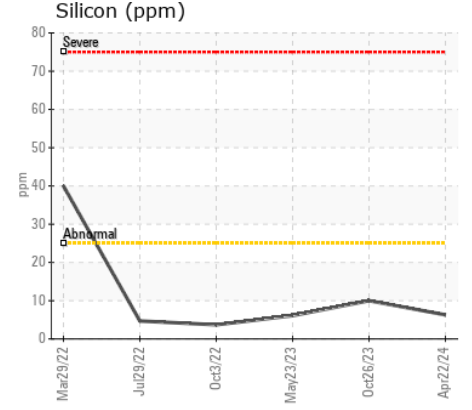
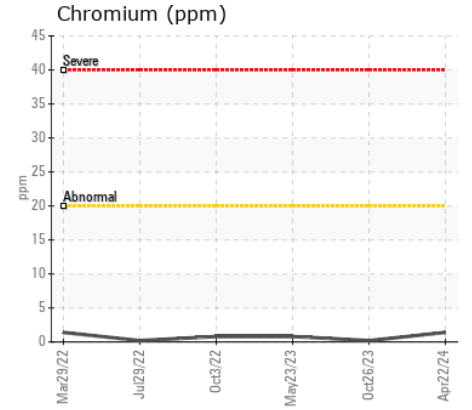
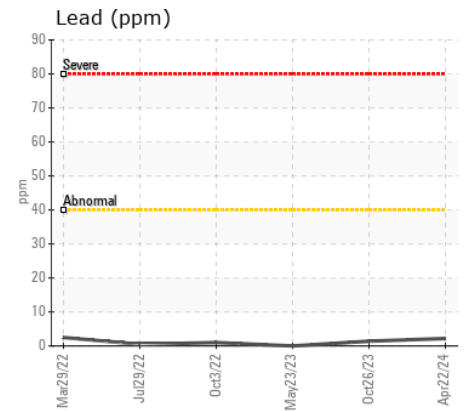
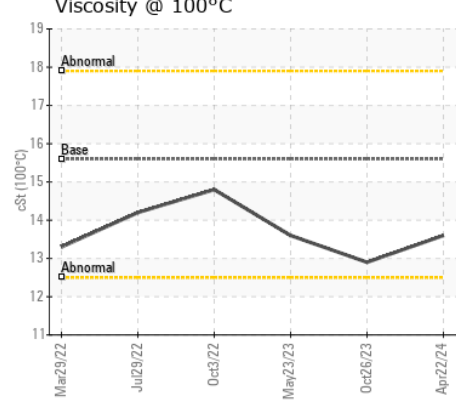
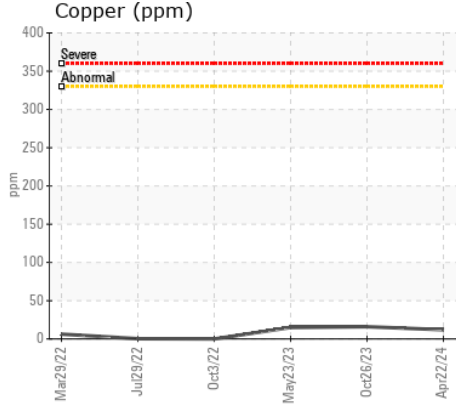
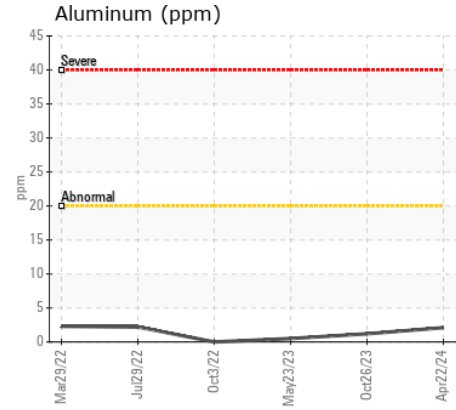
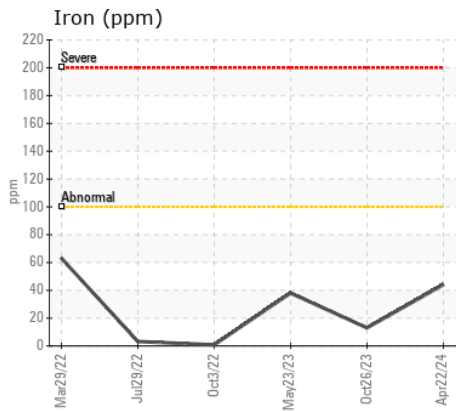
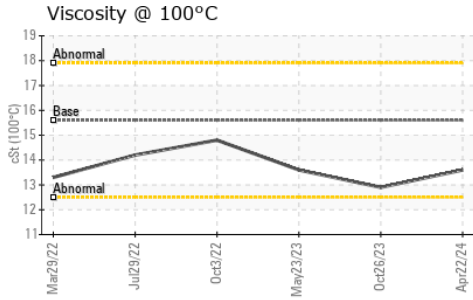
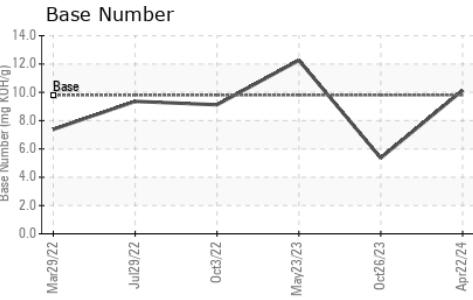
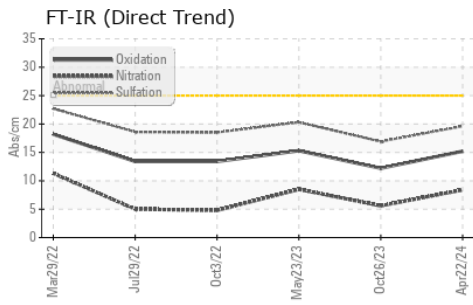
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	6	10	6
Potassium	ppm	ASTM D5185m	>20	9	0	1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.5	0.2	0.5
Nitration	Abs/cm	*ASTM D7624	>20	8.4	5.6	8.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	16.9	20.3
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		17	8	3
Boron	ppm	ASTM D5185m		8	28	14
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		62	60	64
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		925	1002	984
Calcium	ppm	ASTM D5185m		1106	1077	1098
Phosphorus	ppm	ASTM D5185m		1035	1004	1058
Zinc	ppm	ASTM D5185m		1231	1294	1311
Sulfur	ppm	ASTM D5185m		3421	3361	3656
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	12.2	15.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	10.14	5.36	12.26
Visc @ 100°C	cSt	ASTM D445	15.6	13.6	12.9	13.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0109709
Lab Number : 06186884
Unique Number : 11043636
Test Package : MOB 2

Received : 21 May 2024
Tested : 23 May 2024
Diagnosed : 23 May 2024 - Wes Davis

KOBYLUCK TRUCKING
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 WATERFORD, CT
 US 06385

Contact: GEORGE
 GEORGE@KOBYLUCKINC.COM

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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)

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