



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**AGCO MT845C AGCC0845KENHG1005**  
 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		<b>PCA0081065</b>	PCA0096457	PCA0081016
Sample Date		Client Info		<b>17 May 2024</b>	09 Oct 2023	29 May 2023
Machine Age	hrs	Client Info		<b>4676</b>	4417	4150
Oil Age	hrs	Client Info		<b>259</b>	267	260
Filter Age	hrs	Client Info		<b>259</b>	267	260
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>19</b>	22	23
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	<1	1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	0
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	5
Copper	ppm	ASTM D5185m	>330	<b>2</b>	2	3
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

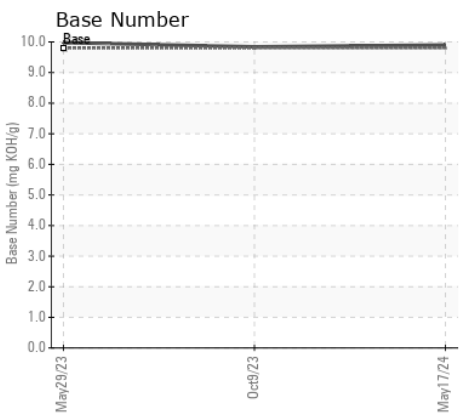
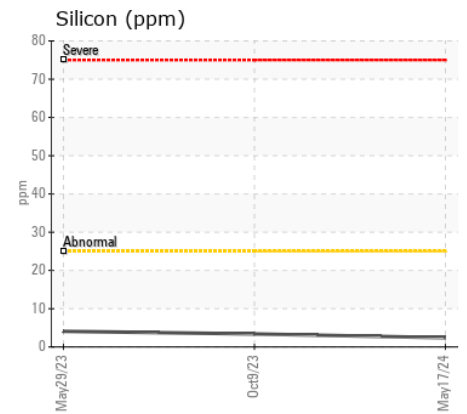
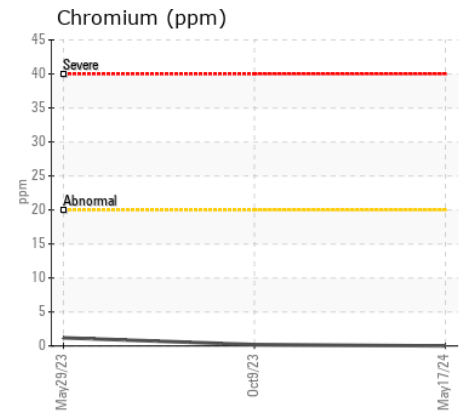
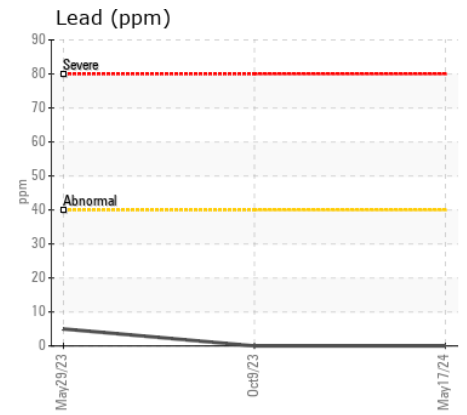
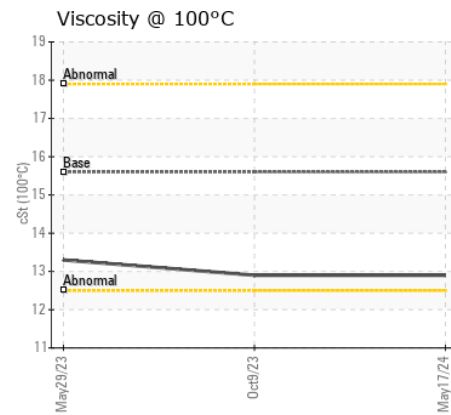
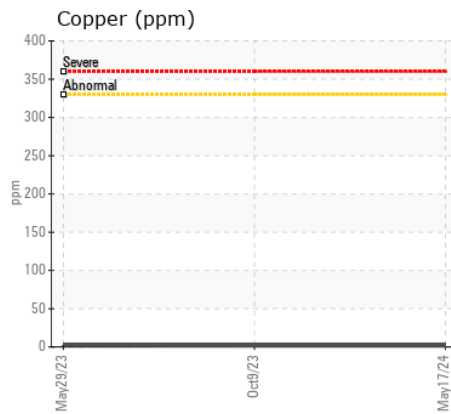
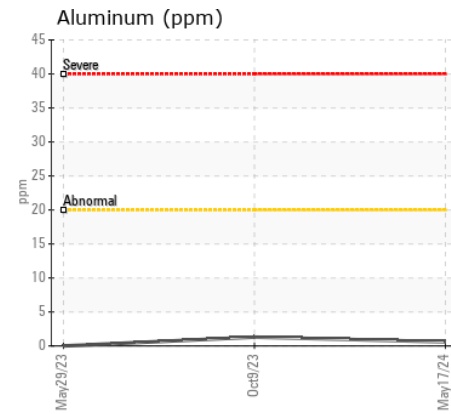
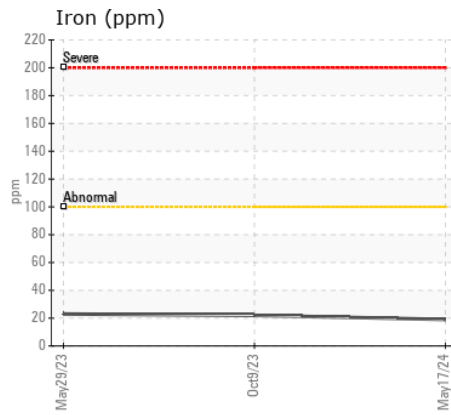
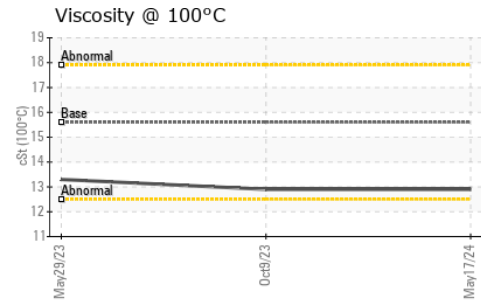
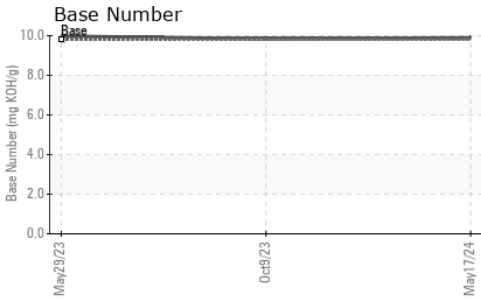
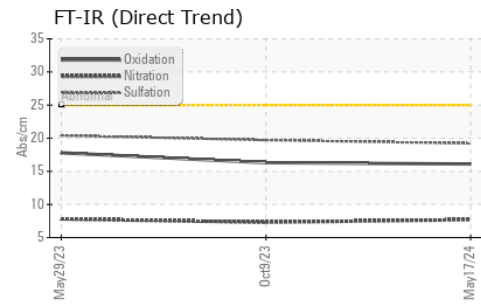
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>2</b>	3	4
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	4
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.7</b>	7.3	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.2</b>	19.7	20.4
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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		<b>&lt;1</b>	<1	1
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	5	15
Barium	ppm	ASTM D5185m		<b>0</b>	<1	4
Molybdenum	ppm	ASTM D5185m		<b>60</b>	57	68
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	1
Magnesium	ppm	ASTM D5185m		<b>1058</b>	939	1036
Calcium	ppm	ASTM D5185m		<b>1209</b>	1005	1195
Phosphorus	ppm	ASTM D5185m		<b>1077</b>	1000	1067
Zinc	ppm	ASTM D5185m		<b>1342</b>	1215	1330
Sulfur	ppm	ASTM D5185m		<b>3737</b>	2886	3755
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.1</b>	16.3	17.8
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	<b>9.90</b>	9.84	9.98
Visc @ 100°C	cSt	ASTM D445	15.6	<b>12.9</b>	12.9	13.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0081065 **Received** : 18 Jun 2024  
**Lab Number** : 06213667 **Tested** : 20 Jun 2024  
**Unique Number** : 11086531 **Diagnosed** : 20 Jun 2024 - Wes Davis  
**Test Package** : MOB 2

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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