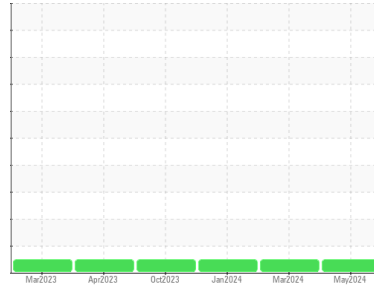


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
SCANIA G4

Component
Diesel Engine

Fluid
PETRO CANADA DURON UHP E6 10W40 (--- LTR)

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			PC0026765	PC0026759	PC0026756
Sample Date	Client Info			08 May 2024	31 Mar 2024	25 Jan 2024
Machine Age	hrs	Client Info		3900	2730	2267
Oil Age	hrs	Client Info		463	500	400
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	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

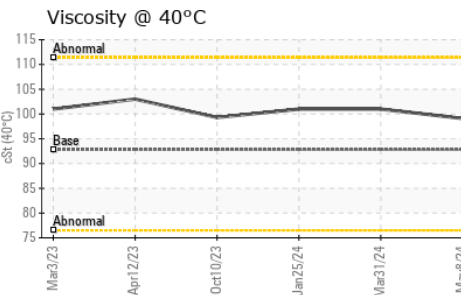
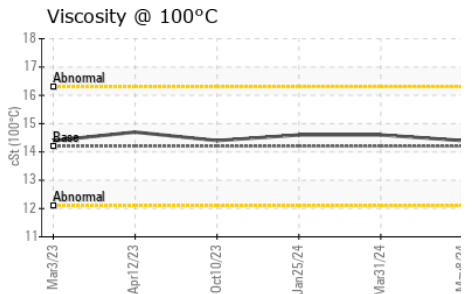
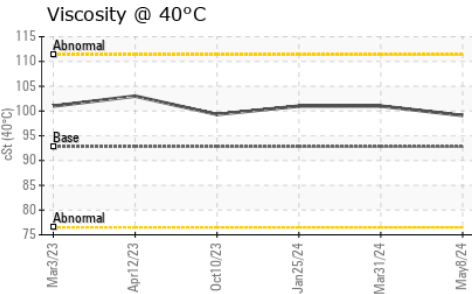
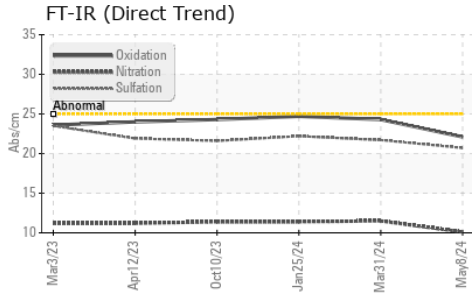
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	5	5	5
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	2	1	2
Lead	ppm	ASTM D5185(m)	>40	10	9	9
Copper	ppm	ASTM D5185(m)	>330	1	1	2
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	88	75	75
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	48	47	47
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	80	936	919	899
Calcium	ppm	ASTM D5185(m)	2400	1356	1311	1322
Phosphorus	ppm	ASTM D5185(m)	750	710	680	696
Zinc	ppm	ASTM D5185(m)	840	858	843	846
Sulfur	ppm	ASTM D5185(m)	2130	1866	1772	1944
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	2	3
Sodium	ppm	ASTM D5185(m)		2	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	10.1	11.5	11.4
Sulfation	Abs./1mm	ASTM D7415*	>30	20.7	21.7	22.2

OIL ANALYSIS REPORT

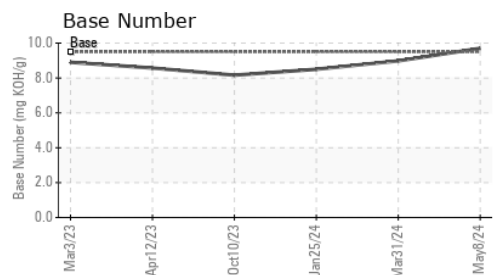
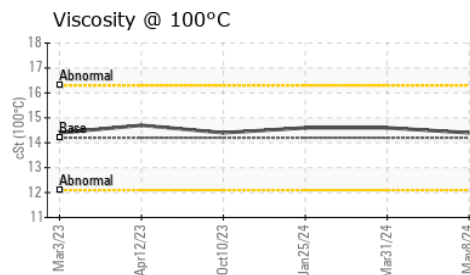
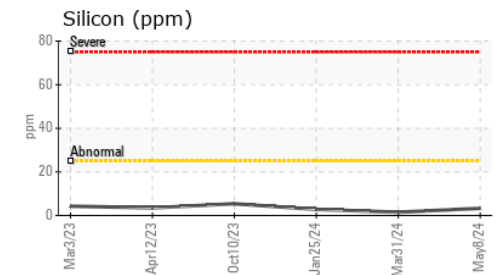
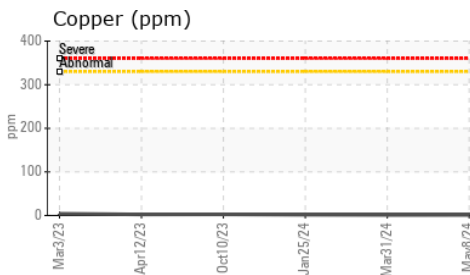
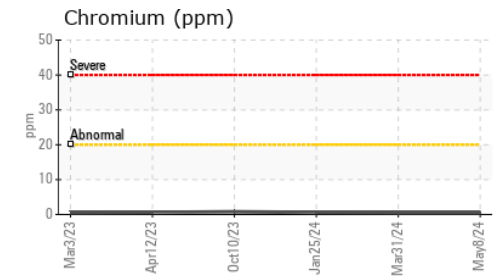
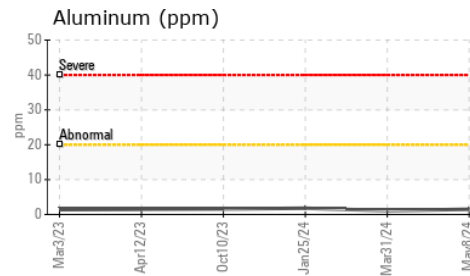
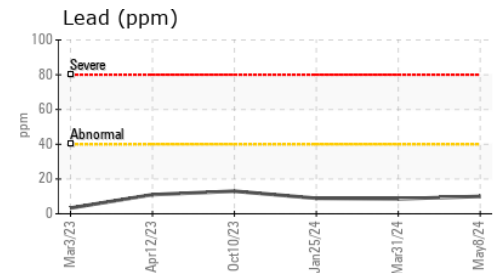
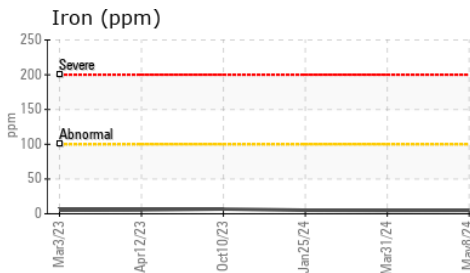


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/1mm	ASTM D7414*	>25	22.1	24.3	24.7
Base Number (BN)	mg KOH/g	ASTM D2896*	9.5	9.70	8.98	8.50

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	92.8	99.1	101	101
Visc @ 100°C	cSt	ASTM D7279(m)	14.2	14.4	14.6	14.6
Viscosity Index (VI)	Scale	ASTM D2270*	157	149	149	149

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0026765 **Received** : 09 May 2024
Lab Number : **02634250** **Tested** : 10 May 2024
Unique Number : 5775403 **Diagnosed** : 10 May 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: KV40, VI)

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F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.