



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[6100276608]

Machine Id

IVECO 018927

Component

Diesel Engine

Fluid

PETRO CANADA 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021285	WA0019240	WA0018455
Sample Date		Client Info		01 May 2024	18 Apr 2023	12 Sep 2022
Machine Age	hrs	Client Info		376	372	372
Oil Age	hrs	Client Info		0	40	20
Filter Age	hrs	Client Info		0	40	20
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>100	<1	1	2
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
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	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

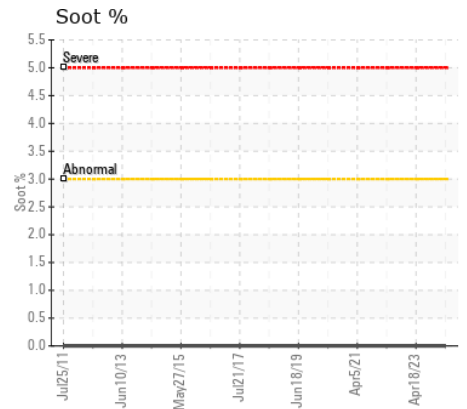
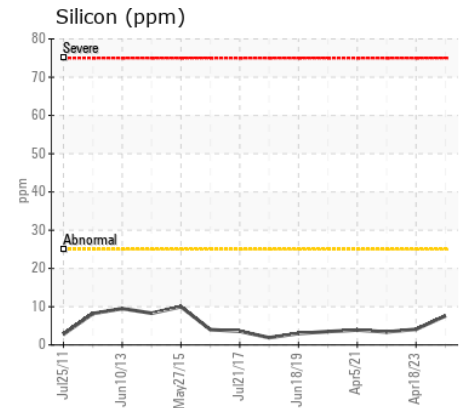
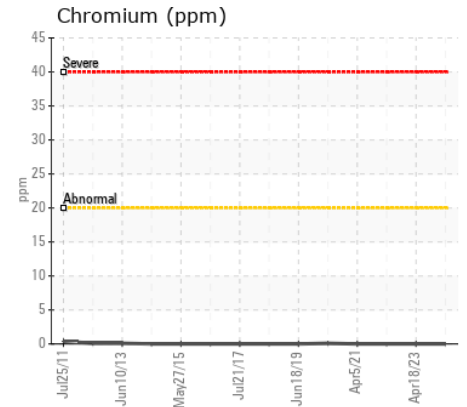
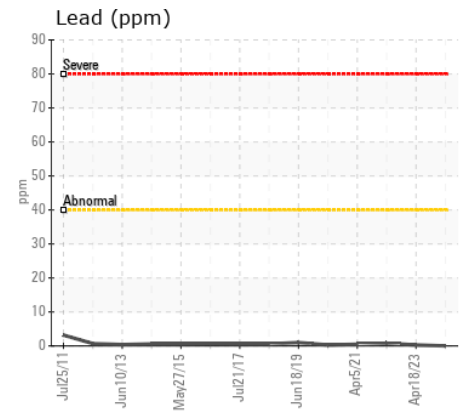
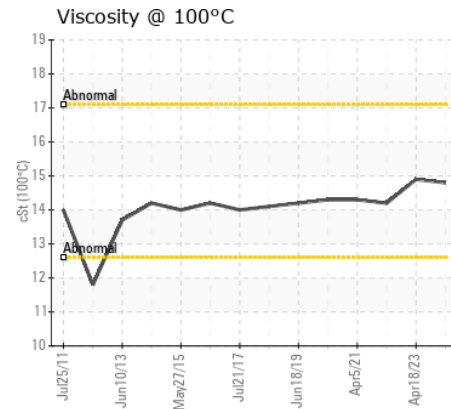
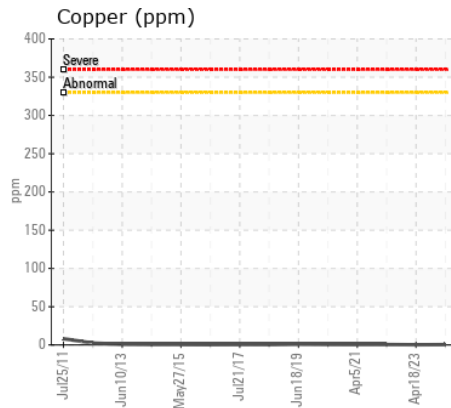
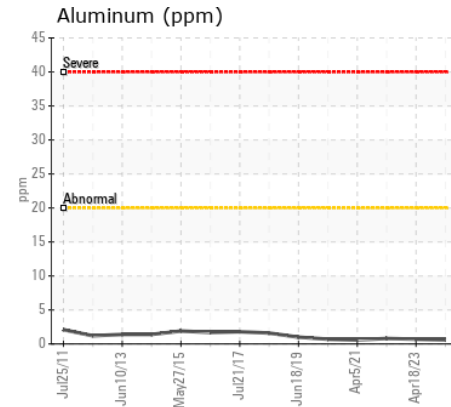
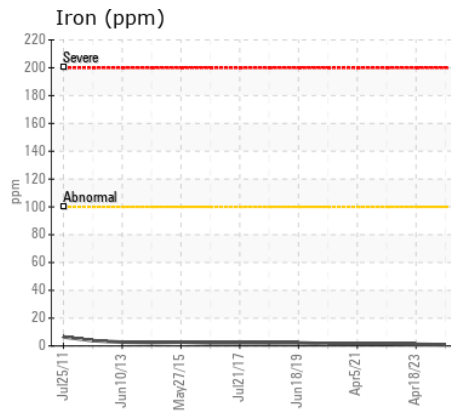
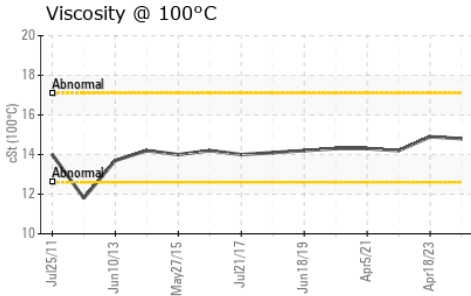
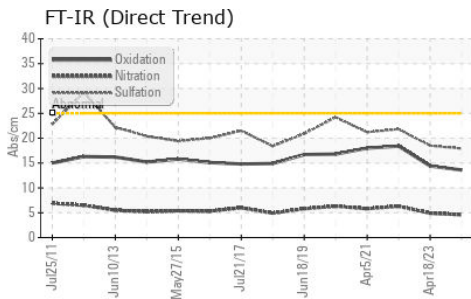
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	8	4	3
Potassium	ppm	ASTM D5185(m)	>20	2	2	6
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	4.6	4.9	6.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.9	18.5	21.8
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		2	1	3
Boron	ppm	ASTM D5185(m)		25	61	183
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		51	39	<1
Manganese	ppm	ASTM D5185(m)		0	<1	0
Magnesium	ppm	ASTM D5185(m)		851	630	11
Calcium	ppm	ASTM D5185(m)		1169	1451	2104
Phosphorus	ppm	ASTM D5185(m)		972	1049	1013
Zinc	ppm	ASTM D5185(m)		1136	1123	1092
Sulfur	ppm	ASTM D5185(m)		2583	2778	3002
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.6	14.4	18.4
Visc @ 100°C	cSt	ASTM D7279(m)		14.8	14.9	14.2



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021285
Lab Number : 02633843
Unique Number : 5774996
Test Package : MOB 1
Received : 07 May 2024
Tested : 07 May 2024
Diagnosed : 07 May 2024 - Wes Davis

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.

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