



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
255
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0933429	WC0846897	WC0776078
Sample Date		Client Info		11 Apr 2024	27 Sep 2023	27 Mar 2023
Machine Age	kms	Client Info		894938	876172	853551
Oil Age	kms	Client Info		18766	22620	20833
Filter Age	kms	Client Info		18766	22620	20833
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>200	41	31	29
Chromium	ppm	ASTM D5185(m)	>20	3	3	3
Nickel	ppm	ASTM D5185(m)	>2	<1	1	<1
Titanium	ppm	ASTM D5185(m)	>2	<1	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>30	18	12	13
Lead	ppm	ASTM D5185(m)	>30	0	<1	<1
Copper	ppm	ASTM D5185(m)	>30	3	3	2
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

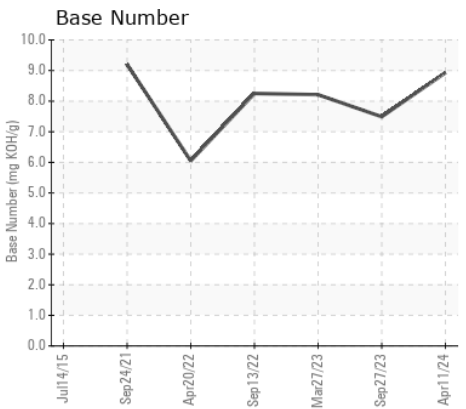
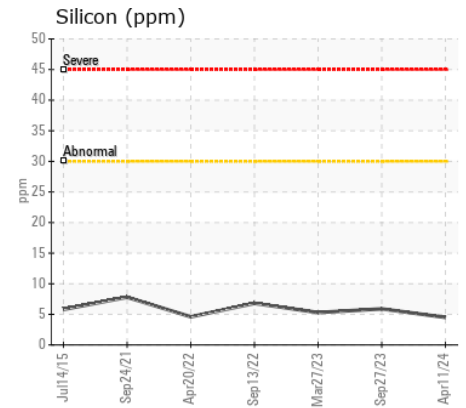
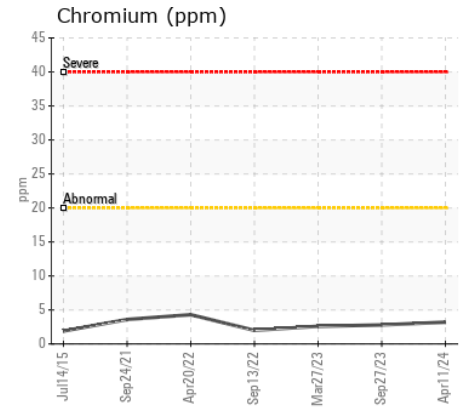
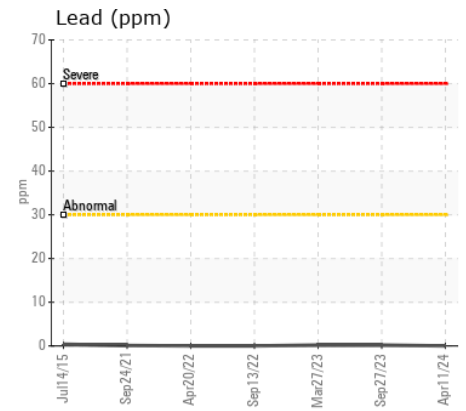
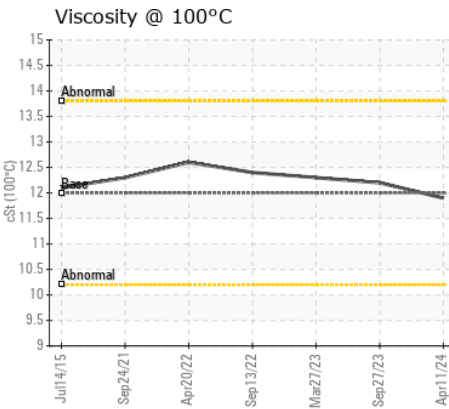
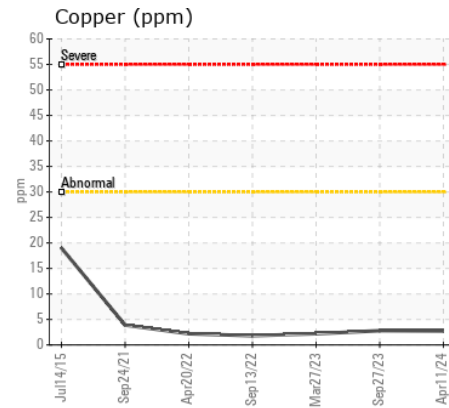
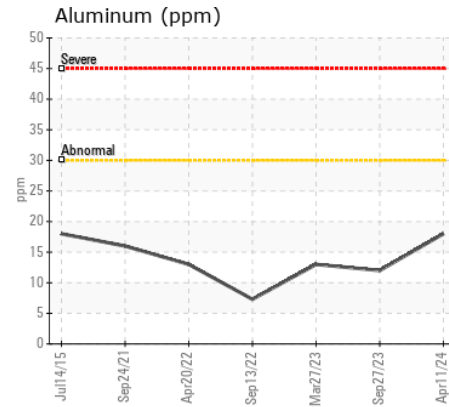
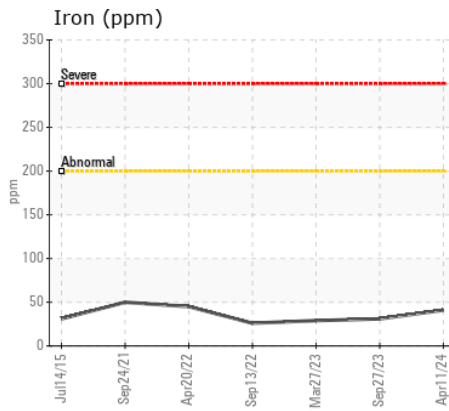
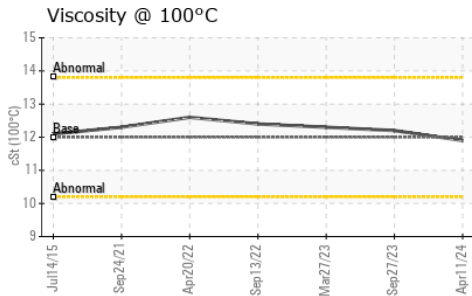
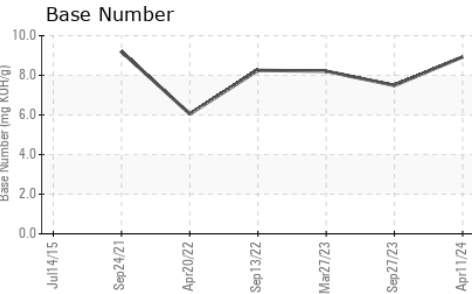
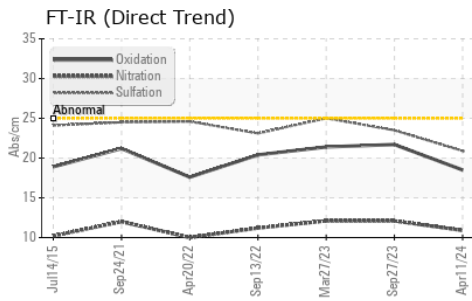
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>30	4	6	5
Potassium	ppm	ASTM D5185(m)	>20	3	2	7
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.4	0.6	0.2
Nitration	Abs/cm	ASTM D7624*	>20	10.9	12.1	12.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.9	23.5	25.0
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)		8	10	15
Boron	ppm	ASTM D5185(m)	2	13	15	20
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	60	60	62
Manganese	ppm	ASTM D5185(m)	0	<1	0	<1
Magnesium	ppm	ASTM D5185(m)	950	1032	1098	1100
Calcium	ppm	ASTM D5185(m)	1050	955	869	946
Phosphorus	ppm	ASTM D5185(m)	995	998	990	1097
Zinc	ppm	ASTM D5185(m)	1180	1183	1217	1241
Sulfur	ppm	ASTM D5185(m)	2600	2569	2602	2795
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.5	21.7	21.4
Base Number (BN)	mg KOH/g	ASTM D2896*		8.93	7.49	8.21
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.9	12.2	12.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0933429
Lab Number : 02632705
Unique Number : 5773858
Test Package : MOB 2
Received : 02 May 2024
Tested : 03 May 2024
Diagnosed : 03 May 2024 - Kevin Marson

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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.