



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
373
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0903684	WC0866118	WC0830052
Sample Date		Client Info		08 Feb 2024	02 Oct 2023	19 Jun 2023
Machine Age	kms	Client Info		1613217	1576029	1522491
Oil Age	kms	Client Info		37188	53538	19893
Filter Age	kms	Client Info		37188	53538	19983
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Usure de piston.

Iron	ppm	ASTM D5185(m)	>165	43	38	26
Chromium	ppm	ASTM D5185(m)	>5	4	4	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	▲ 24	19	10
Lead	ppm	ASTM D5185(m)	>150	<1	<1	0
Copper	ppm	ASTM D5185(m)	>90	5	6	5
Tin	ppm	ASTM D5185(m)	>5	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

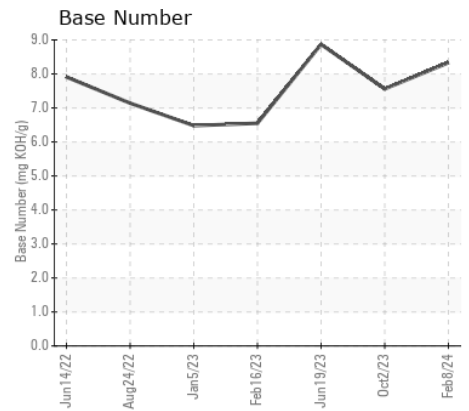
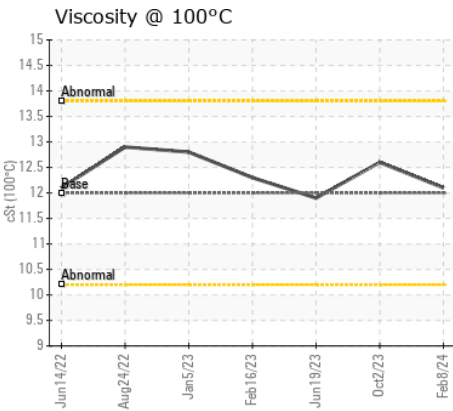
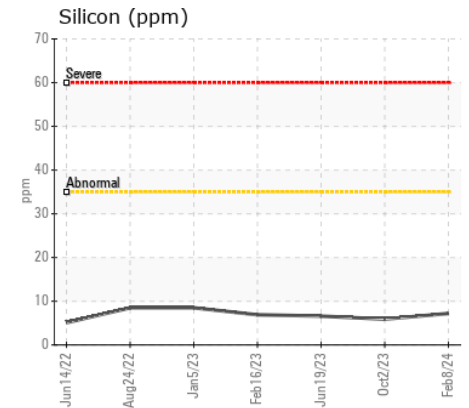
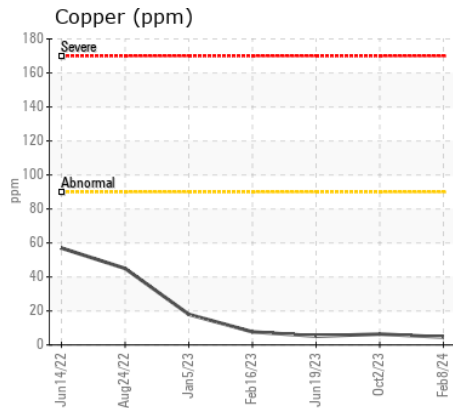
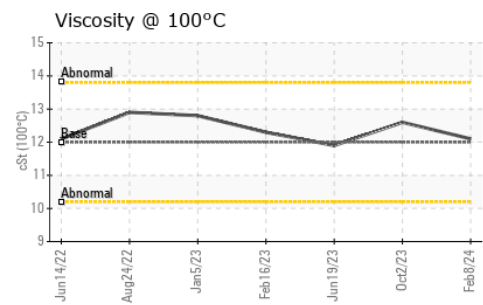
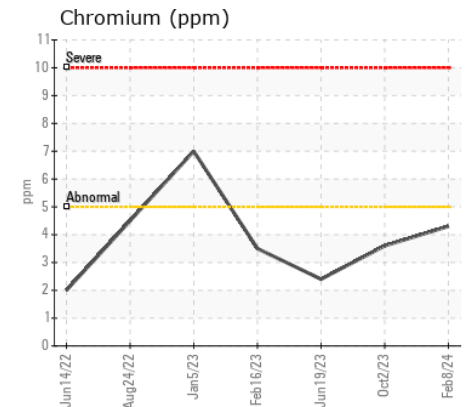
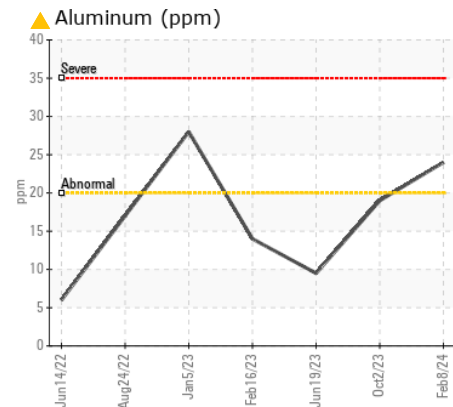
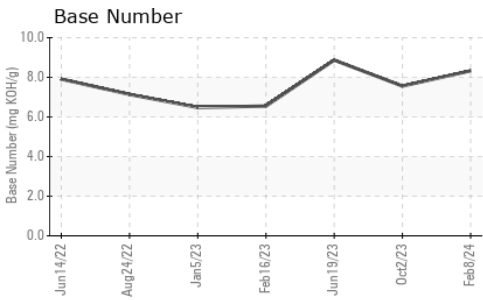
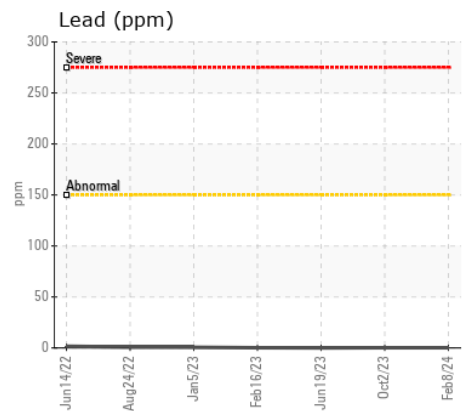
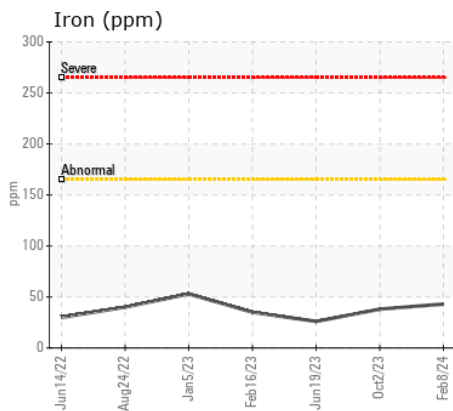
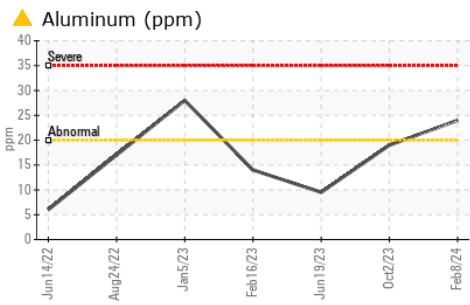
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>35	7	6	7
Potassium	ppm	ASTM D5185(m)	>20	4	2	1
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*	>7.5	0.9	1.5	0.6
Nitration	Abs/cm	ASTM D7624*	>20	10.9	12.0	9.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.1	26.4	22.0
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'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)		7	8	5
Boron	ppm	ASTM D5185(m)	2	3	11	30
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	59	59	45
Manganese	ppm	ASTM D5185(m)	0	<1	0	<1
Magnesium	ppm	ASTM D5185(m)	950	1000	1071	740
Calcium	ppm	ASTM D5185(m)	1050	1126	989	1485
Phosphorus	ppm	ASTM D5185(m)	995	1036	967	1069
Zinc	ppm	ASTM D5185(m)	1180	1216	1241	1187
Sulfur	ppm	ASTM D5185(m)	2600	2656	2516	2495
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.8	22.1	18.2
Base Number (BN)	mg KOH/g	ASTM D2896*		8.33	7.56	8.87
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	12.1	12.6	11.9



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0903684
Lab Number : 02616152
Unique Number : 5733262
Test Package : MOB 2
Received : 16 Feb 2024
Tested : 20 Feb 2024
Diagnosed : 20 Feb 2024 - Kevin Marson

Lachine - Transport Laberge
 435 rue Norman
 Lachine, QC
 CA H8S 1A5
 Contact: Service Manager

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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