

Machine Id
WESTERN STAR D-16
Component
Diesel Engine
Fluid
PETRO CANADA DURON UHP 5W30 (--- 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		PC0074522	PC0074362	PC0036621
Sample Date		Client Info		13 Feb 2024	18 Oct 2023	21 Dec 2020
Machine Age	kms	Client Info		362686	350751	17975
Oil Age	kms	Client Info		0	201	400
Filter Age	kms	Client Info		0	201	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	8	20	14
Chromium	ppm	ASTM D5185(m)	>20	<1	1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	3	2
Lead	ppm	ASTM D5185(m)	>40	0	<1	0
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

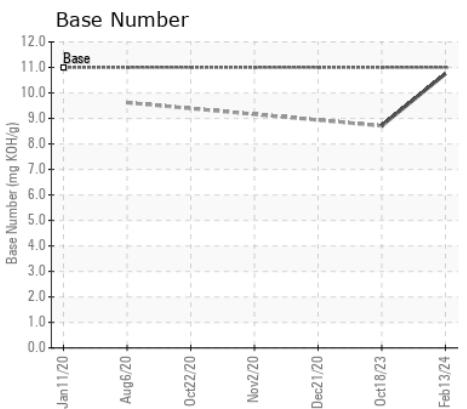
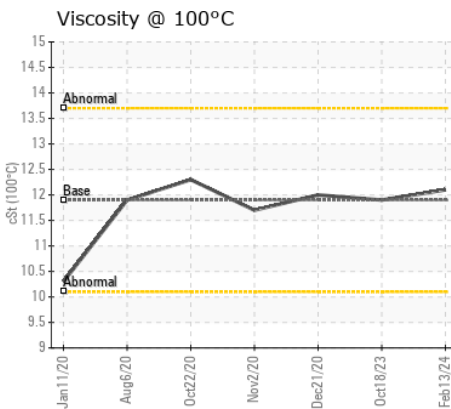
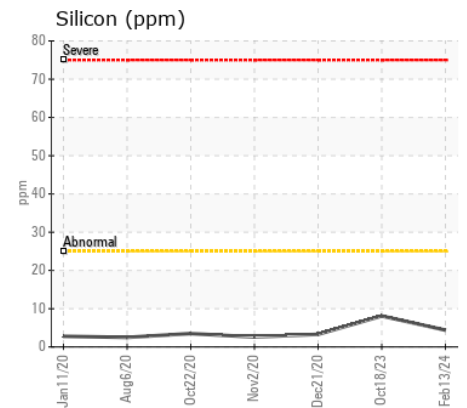
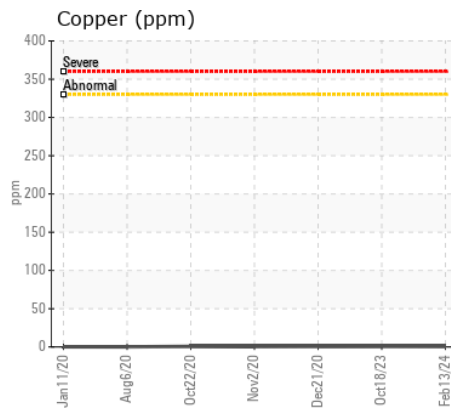
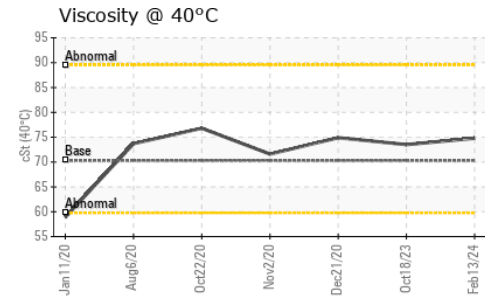
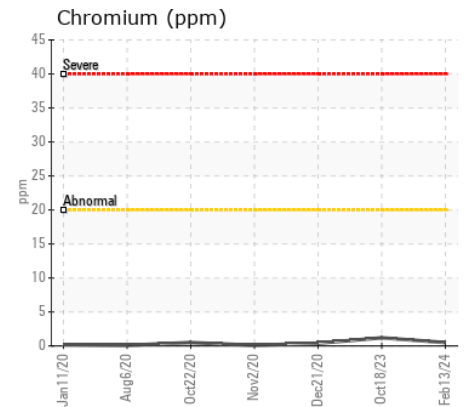
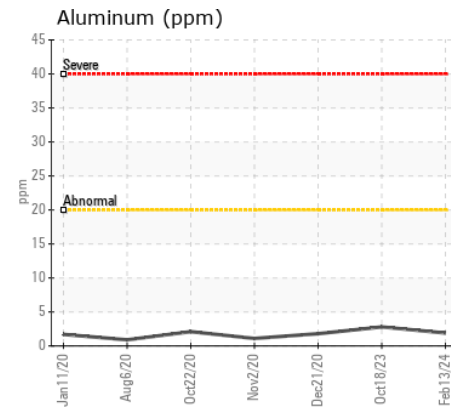
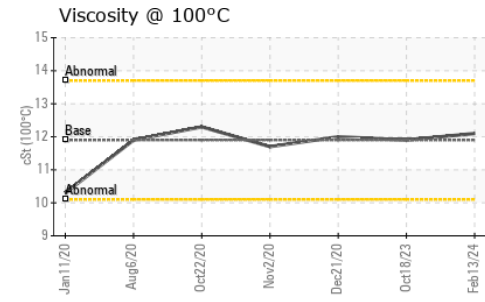
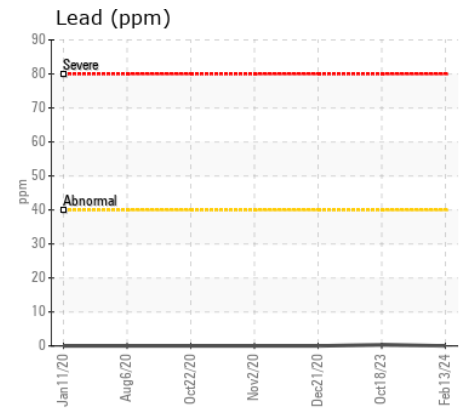
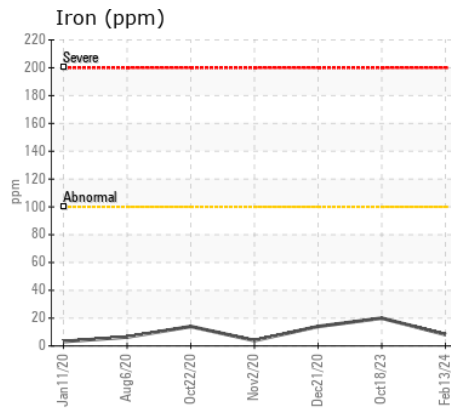
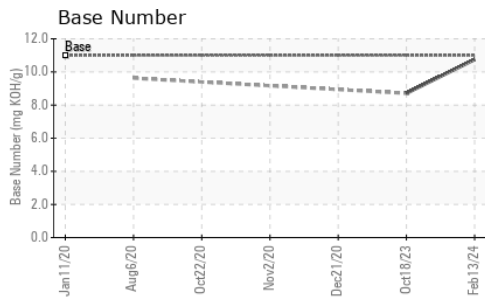
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	4	8	3
Potassium	ppm	ASTM D5185(m)	>20	<1	1	4
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.1	0.3	0.5
Nitration	Abs/cm	ASTM D7624*	>20	8.5	10.5	11.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.3	20.8	22.8
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	28	9
Boron	ppm	ASTM D5185(m)	0	33	32	22
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	64	55	62	60
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	1160	1044	1118	1102
Calcium	ppm	ASTM D5185(m)	820	877	927	845
Phosphorus	ppm	ASTM D5185(m)	1160	1012	1066	1023
Zinc	ppm	ASTM D5185(m)	1260	1151	1264	1277
Sulfur	ppm	ASTM D5185(m)	3000	2833	2858	2889
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.8	19.8	21.8
Base Number (BN)	mg KOH/g	ASTM D2896*	11.0	10.75	8.71	---
Visc @ 40°C	cSt	ASTM D7279(m)	70.3	74.8	73.5	74.9
Visc @ 100°C	cSt	ASTM D7279(m)	11.9	12.1	11.9	12.0
Viscosity Index (VI)	Scale	ASTM D2270*	161	158	157	156



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074522 **Received** : 16 Feb 2024
Lab Number : 02616144 **Tested** : 20 Feb 2024
Unique Number : 5733254 **Diagnosed** : 20 Feb 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV40, VI)

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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.

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