



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>ATTENTION</b>



Machine Id  
**062579-1007**

Component  
**Swing Drive**

Fluid  
**PETRO CANADA TRAXON 75W90 SYNTHETIC (--- LTR)**

### RECOMMENDATION

Nous vous recommandons de vérifier tous les endroits par lesquels de la saleté peut pénétrer dans le système. Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

### WEAR

Usure de palier et (ou) de douille.

### CONTAMINATION

Concentration modérée de saleté dans l'huile. Une grande quantité de saleté a provoqué une usure abrasive du composant.

### FLUID CONDITION

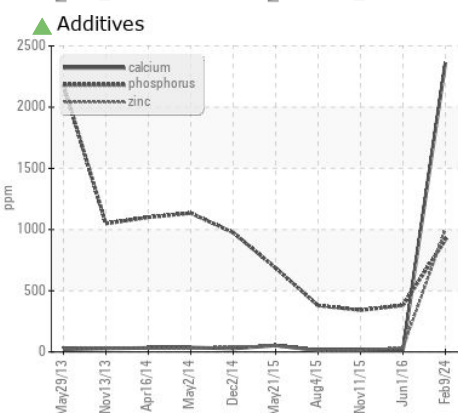
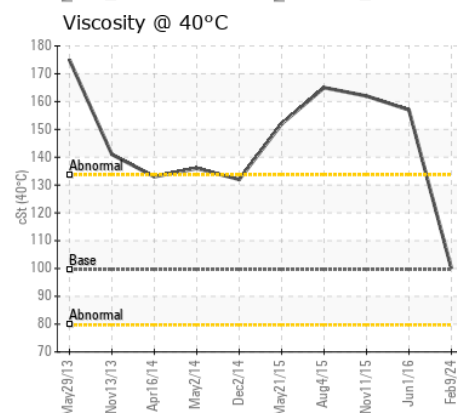
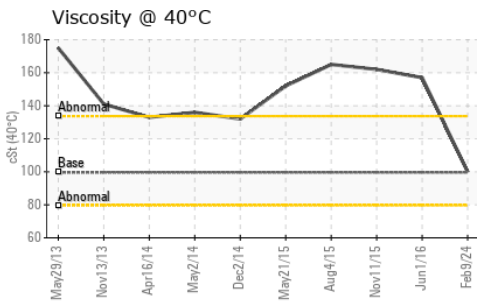
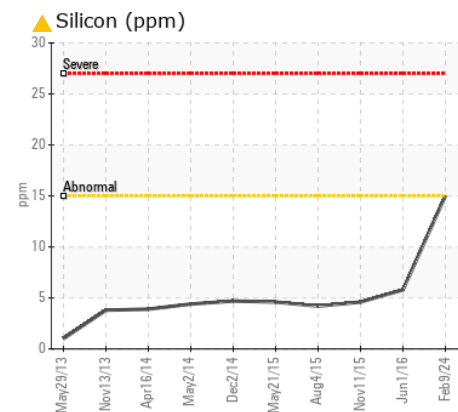
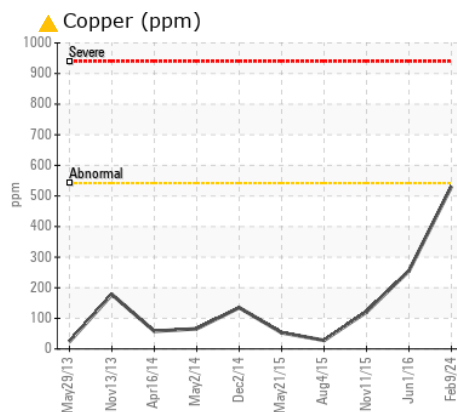
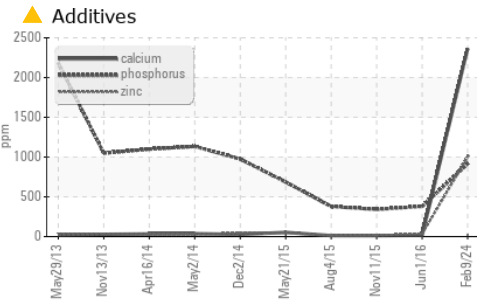
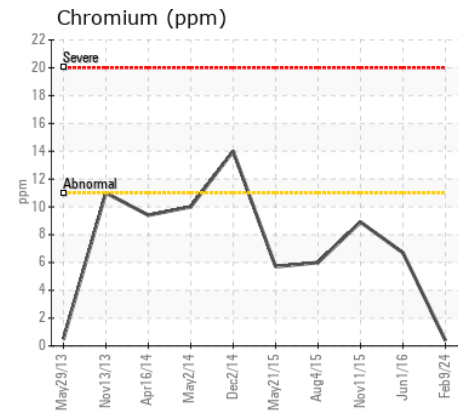
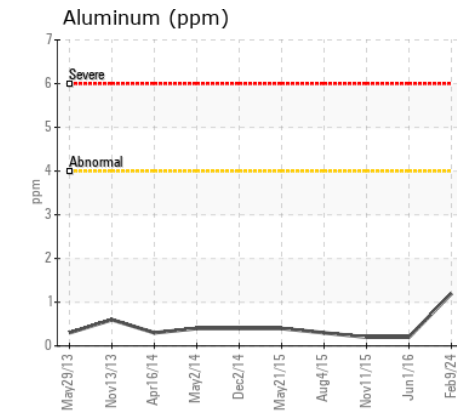
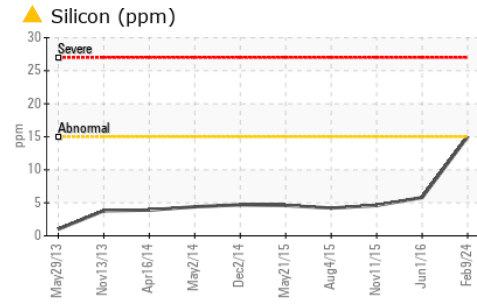
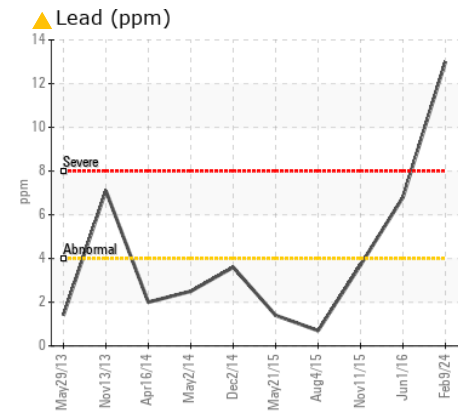
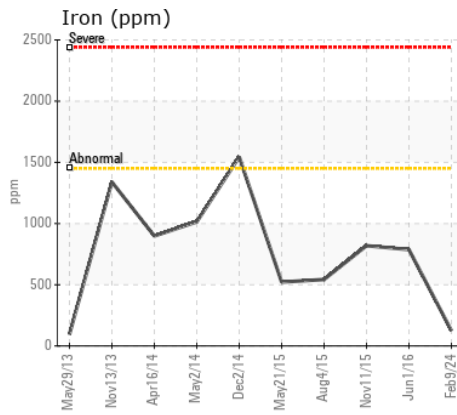
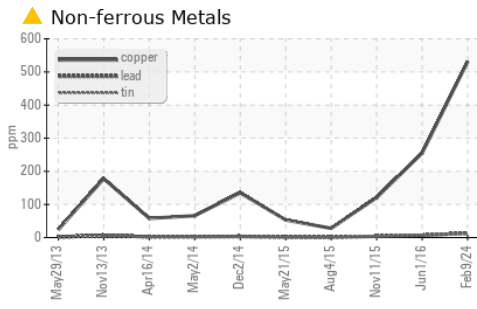
Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH</b>	LH0100608	LH0091512
Sample Date		Client Info		<b>09 Feb 2024</b>	01 Jun 2016	11 Nov 2015
Machine Age	hrs	Client Info		<b>0</b>	8042	6875
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>None</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

Iron	ppm	ASTM D5185(m)	>1450	<b>125</b>	787	819
Chromium	ppm	ASTM D5185(m)	>11	<b>&lt;1</b>	7	9
Nickel	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	1	2
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>4	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>4	<b>▲ 13</b>	▲ 7	4
Copper	ppm	ASTM D5185(m)	>542	<b>▲ 531</b>	255	121
Tin	ppm	ASTM D5185(m)	>38	<b>12</b>	8	4
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	LIGHT	LIGHT
Yellow Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE

Silicon	ppm	ASTM D5185(m)	>15	<b>▲ 15</b>	6	5
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>VLITE</b>	NONE	VLITE
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	▲ .2%	▲ 1%

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Boron	ppm	ASTM D5185(m)	328	<b>4</b>	35	39
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	<1
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	5	6
Magnesium	ppm	ASTM D5185(m)	1	<b>7</b>	8	2
Calcium	ppm	ASTM D5185(m)	7	<b>▲ 2362</b>	16	12
Phosphorus	ppm	ASTM D5185(m)	1145	<b>916</b>	380	341
Zinc	ppm	ASTM D5185(m)	3	<b>▲ 1000</b>	33	15
Sulfur	ppm	ASTM D5185(m)	17909	<b>▲ 8173</b>	16131	16762
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	<b>100</b>	157	162



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH  
**Lab Number** : 02618136  
**Unique Number** : 5735246  
**Test Package** : MOB 1  
**Received** : 26 Feb 2024  
**Tested** : 26 Feb 2024  
**Diagnosed** : 26 Feb 2024 - Kevin Marson

**American Iron and Metal**  
 251 CHEMIN DES ILES  
 LEVIS, QC  
 CA G6V 1M5  
 Contact: Bobby Rochette

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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 F: