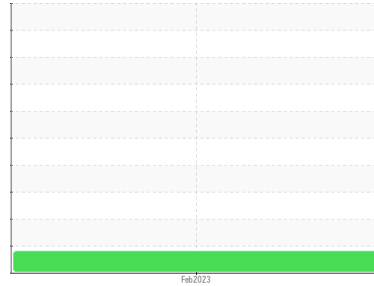


OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id

B3
Component
Hoist
Fluid

PETRO CANADA SYNDURO SHB ISO 220 (25 LTR)

DIAGNOSIS

Recommendation

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon. Veuillez noter qu'il s'agit d'une copie corrigée pour les mises à jour de saisie de données.

Wear

Usure de palier et (ou) de douille.

Contamination

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

Fluid Condition

Le AN est acceptable pour ce fluide. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0070512	---	---
Sample Date	Client Info			06 Feb 2023	---	---
Machine Age	mths	Client Info		0	---	---
Oil Age	mths	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				ABNORMAL	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	NEG	---	---

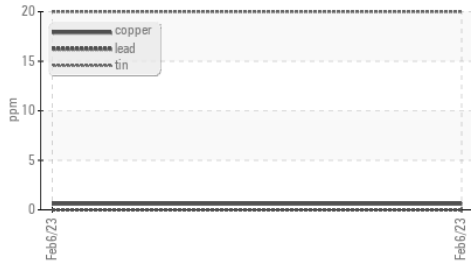
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>300	2	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	---	---
Lead	ppm	ASTM D5185(m)	>120	0	---	---
Copper	ppm	ASTM D5185(m)	>200	<1	---	---
Tin	ppm	ASTM D5185(m)	>15	▲ 20	---	---
Antimony	ppm	ASTM D5185(m)		2	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Beryllium	ppm	ASTM D5185(m)		0	---	---
Cadmium	ppm	ASTM D5185(m)		<1	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2	---	---
Barium	ppm	ASTM D5185(m)	5.0	0	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	5.0	0	---	---
Calcium	ppm	ASTM D5185(m)	5.0	0	---	---
Phosphorus	ppm	ASTM D5185(m)	100	103	---	---
Zinc	ppm	ASTM D5185(m)	5.0	<1	---	---
Sulfur	ppm	ASTM D5185(m)	1900	1970	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

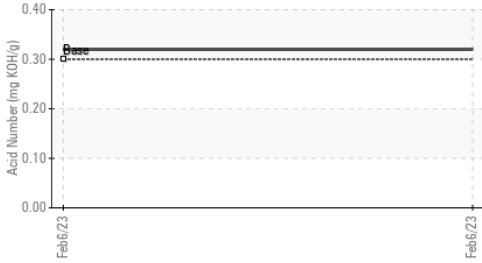
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	<1	---	---
Sodium	ppm	ASTM D5185(m)		0	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---

OIL ANALYSIS REPORT

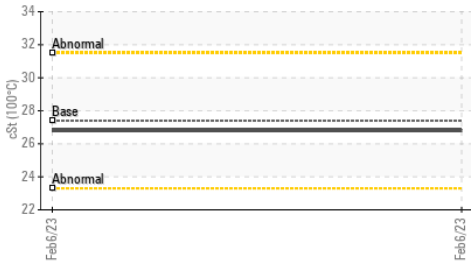
▲ Non-ferrous Metals



Acid Number



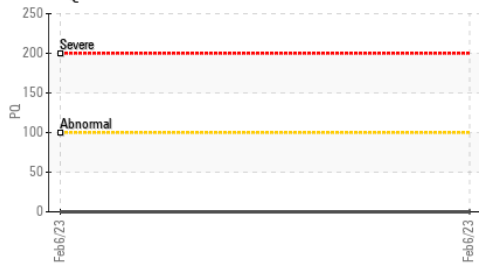
Viscosity @ 100°C



Viscosity @ 40°C



PQ



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	111322	---	---
Particles >6µm	ASTM D7647	>1300	23008	---	---
Particles >14µm	ASTM D7647	>160	196	---	---
Particles >21µm	ASTM D7647	>40	28	---	---
Particles >38µm	ASTM D7647	>10	1	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	24/22/15	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.3	0.32	---

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	219	216	---
Visc @ 100°C	cSt	ASTM D7279(m)	27.4	26.8	---
Viscosity Index (VI)	Scale	ASTM D2270*	160	158	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0070512 **Received** : 13 Feb 2023
Lab Number : **02539148** **Tested** : 17 Feb 2023
Unique Number : 5528148 **Diagnosed** : 17 Feb 2023 - Kevin Marson
Test Package : IND 2 (Additional Tests: KV100, PQ, VI)

WESDOME KIENA MINE
 950 CHEMIN KIENAWISIK
 VAL-D'OR, QC
 CA J0P 4P3
 Contact: Michel Larose
 michel.larose@wesdome.com

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.

T:
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