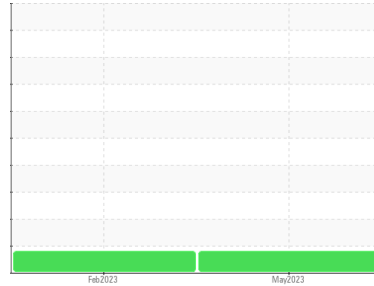


Machine Id
B3
Component
Hoist
Fluid

PETRO CANADA SYNDURO SHB ISO 220 (25 LTR)



DIAGNOSIS

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. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

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			PC0069653	PC0070512	---
Sample Date	Client Info			15 May 2023	06 Feb 2023	---
Machine Age	mths	Client Info		0	0	---
Oil Age	mths	Client Info		0	0	---
Oil Changed	Client Info			Changed	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

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

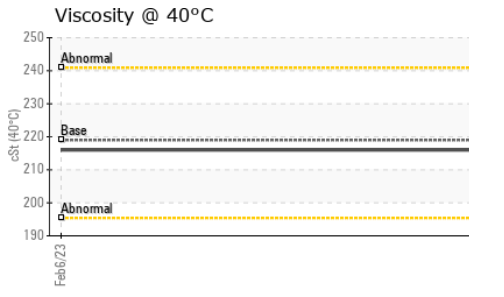
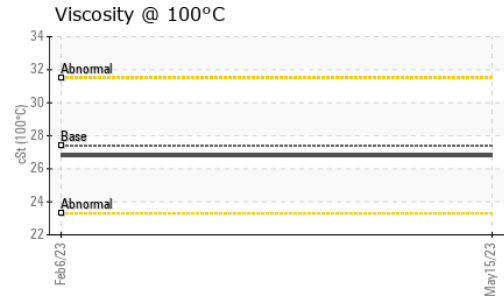
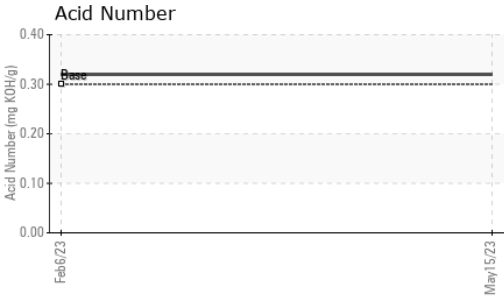
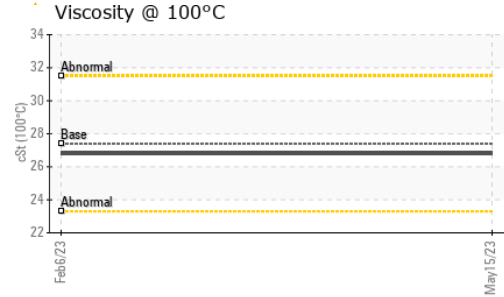
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>300	3	2	---
Chromium	ppm	ASTM D5185(m)	>5	0	0	---
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	<1	---
Lead	ppm	ASTM D5185(m)	>120	<1	0	---
Copper	ppm	ASTM D5185(m)	>200	2	<1	---
Tin	ppm	ASTM D5185(m)	>15	▲ 31	▲ 20	---
Antimony	ppm	ASTM D5185(m)		3	2	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		<1	<1	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2	2	---
Barium	ppm	ASTM D5185(m)	5.0	0	0	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)	5.0	0	0	---
Calcium	ppm	ASTM D5185(m)	5.0	0	0	---
Phosphorus	ppm	ASTM D5185(m)	100	100	103	---
Zinc	ppm	ASTM D5185(m)	5.0	<1	<1	---
Sulfur	ppm	ASTM D5185(m)	1900	1923	1970	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

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

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	136303	111322	---
Particles >6µm		ASTM D7647	>1300	47275	23008	---
Particles >14µm		ASTM D7647	>160	911	196	---
Particles >21µm		ASTM D7647	>40	197	28	---
Particles >38µm		ASTM D7647	>10	6	1	---
Particles >71µm		ASTM D7647	>3	1	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	24/23/17	24/22/15	---

OIL ANALYSIS REPORT



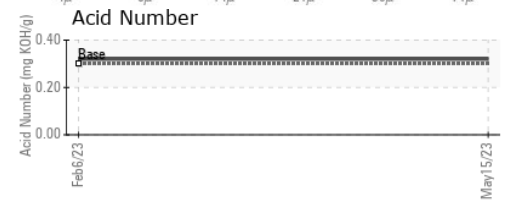
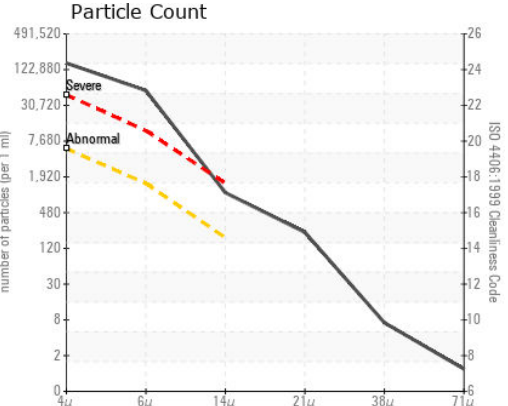
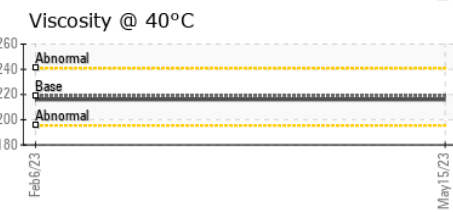
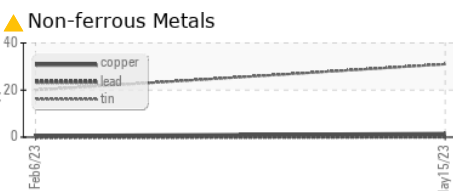
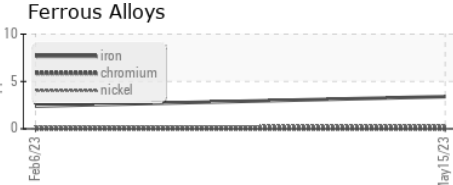
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.3	0.32	0.32	---

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

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

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0069653 **Received** : 17 May 2023
Lab Number : **02558109** **Diagnosed** : 18 May 2023
Unique Number : 5579149 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KV100, VI)

WESDOME KIENA MINE
 950 CHEMIN KIENAWISIK
 VAL-D'OR, QC
 CA J0P 4P3
 Contact: Michel Larose
 michel.larose@wesdome.com
 T:
 F: (819)738-5452

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.