

Machine Id
TREUIL

Component
Bearing

Fluid
PETRO CANADA SYNDURO SHB ISO 220 (1 LTR)

DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

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

Contamination

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

Fluid Condition

Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0069654	PC0076177	PC0076178
Sample Date	Client Info			03 Feb 2024	07 Jul 2023	25 Jun 2023
Machine Age	mths	Client Info		6	3	0
Oil Age	mths	Client Info		0	0	0
Oil Changed	Client Info			Not Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

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

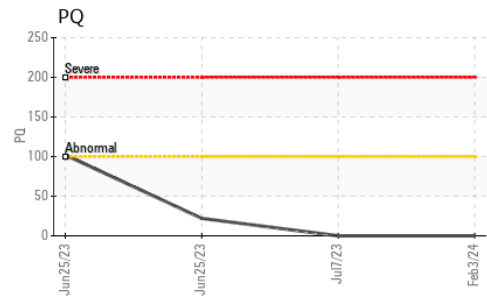
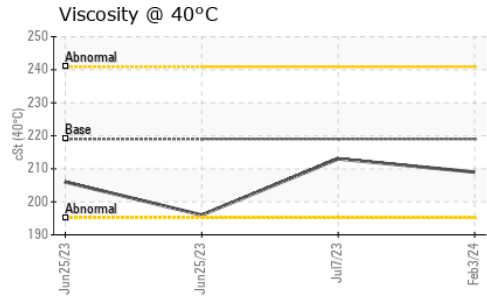
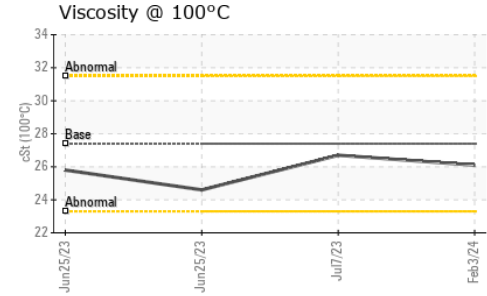
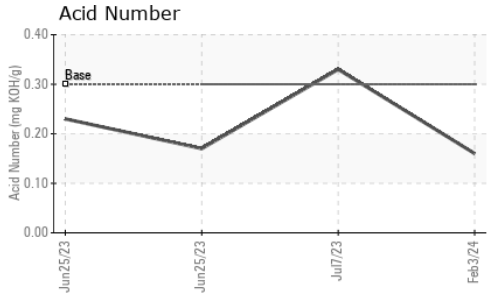
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	22
Iron	ppm	ASTM D5185(m)	>200	4	4	13
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	0
Titanium	ppm	ASTM D5185(m)	>5	0	0	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>50	9	<1	15
Copper	ppm	ASTM D5185(m)	>150	21	2	10
Tin	ppm	ASTM D5185(m)	>10	0	▲ 15	0
Antimony	ppm	ASTM D5185(m)		0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2	1	2
Barium	ppm	ASTM D5185(m)	5.0	0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	5.0	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	5.0	<1	<1	2
Phosphorus	ppm	ASTM D5185(m)	100	50	65	79
Zinc	ppm	ASTM D5185(m)	5.0	16	2	28
Sulfur	ppm	ASTM D5185(m)	1900	1949	1553	1823
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	16	2	12
Sodium	ppm	ASTM D5185(m)		0	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.3	0.16	0.33	0.17


OIL ANALYSIS REPORT





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


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	219	209	213	196
Visc @ 100°C	cSt	ASTM D7279(m)	27.4	26.1	26.7	24.6
Viscosity Index (VI)	Scale	ASTM D2270*	160	158	159	156


SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter					








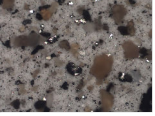






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Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0069654 **Received** : 07 Feb 2024
Lab Number : **02614164** **Tested** : 08 Feb 2024
Unique Number : 5723259 **Diagnosed** : 08 Feb 2024 - Wes Davis
Test Package : IND 2 (Additional Tests: KV100, TAN Man, VI)

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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