



Machine Id
MOSYN02BLKTOP

Component
5 New (Unused) Oil
Fluid
WADDICK FUELS 0120 (--- LTR)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

Wear

{not applicable}

Contamination

{not applicable}

Fluid Condition

{not applicable}

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	PC	---	---
Sample Date	Client Info	06 Dec 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

CONTAMINATION method limit/base current history1 history2

Water	WC Method	NEG	---	---
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WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185(m)	<1	---	---
Chromium	ppm	ASTM D5185(m)	0	---	---
Nickel	ppm	ASTM D5185(m)	0	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m)	0	---	---
Aluminum	ppm	ASTM D5185(m)	<1	---	---
Lead	ppm	ASTM D5185(m)	0	---	---
Copper	ppm	ASTM D5185(m)	0	---	---
Tin	ppm	ASTM D5185(m)	0	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185(m)	210	---	---
Barium	ppm	ASTM D5185(m)	0	---	---
Molybdenum	ppm	ASTM D5185(m)	69	---	---
Manganese	ppm	ASTM D5185(m)	0	---	---
Magnesium	ppm	ASTM D5185(m)	550	---	---
Calcium	ppm	ASTM D5185(m)	1250	---	---
Phosphorus	ppm	ASTM D5185(m)	680	---	---
Zinc	ppm	ASTM D5185(m)	740	---	---
Sulfur	ppm	ASTM D5185(m)	2540	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m)	10	---	---
Sodium	ppm	ASTM D5185(m)	1	---	---
Potassium	ppm	ASTM D5185(m) >20	<1	---	---

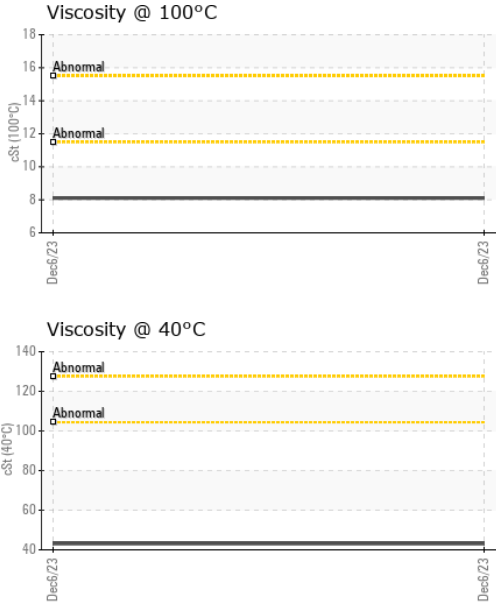
INFRA-RED method limit/base current history1 history2

Soot %	%	ASTM D7844*	0	---	---
Nitration	Abs/cm	ASTM D7624*	4.1	---	---
Sulfation	Abs/.1mm	ASTM D7415*	14.4	---	---

FLUID DEGRADATION method limit/base current history1 history2



Oxidation	Abs/.1mm	ASTM D7414*	8.3	---	---
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OIL ANALYSIS REPORT



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*	NEG	---	---	
Free Water	scalar	Visual*	NEG	---	---	

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	43.1	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.1	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	164	---	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Petro-Canada Technical/Nick Finelli**
Sample No. : PC **Recieved** : 22 Dec 2023
Lab Number : 02604924 **Diagnosed** : 28 Dec 2023
Unique Number : 5698009 **Diagnostician** : Kevin Marson
Test Package : TEST (Additional Tests: FT-IR, ICP, ICP-NEW OIL, KV100, KV40, Spat, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131. Mississauga, ON
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Contact: Nick Finelli
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F: (877)352-8916
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.