



OIL ANALYSIS REPORT

Sample Rating Trend

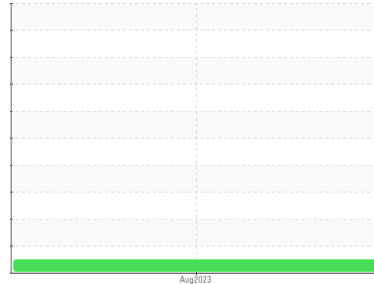
NORMAL



Machine Id
HITACHI HCMDHF60V00100312

Component
Reference New (Unused) Oil

Fluid
CAT BIO HYDO ADVANCED (--- GAL)



DIAGNOSIS

Recommendation

Il s'agit du relevé de base de l'échantillon soumis.

Wear

{sans objet}

Contamination

{sans objet}

Fluid Condition

{sans objet}

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC	---	---
Sample Date	Client Info		16 Aug 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			NORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >5	<1	---	---
Chromium	ppm	ASTM D5185(m) >5	0	---	---
Nickel	ppm	ASTM D5185(m) >5	0	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m) >5	<1	---	---
Aluminum	ppm	ASTM D5185(m) >5	<1	---	---
Lead	ppm	ASTM D5185(m) >5	0	---	---
Copper	ppm	ASTM D5185(m) >5	<1	---	---
Tin	ppm	ASTM D5185(m) >5	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) 0	<1	---	---
Barium	ppm	ASTM D5185(m) 0	0	---	---
Molybdenum	ppm	ASTM D5185(m) 0	0	---	---
Manganese	ppm	ASTM D5185(m) 0	0	---	---
Magnesium	ppm	ASTM D5185(m) 0	<1	---	---
Calcium	ppm	ASTM D5185(m) 0	2	---	---
Phosphorus	ppm	ASTM D5185(m) 475	372	---	---
Zinc	ppm	ASTM D5185(m) 0	2	---	---
Sulfur	ppm	ASTM D5185(m) 800	756	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<1	---	---
Sodium	ppm	ASTM D5185(m)	<1	---	---
Potassium	ppm	ASTM D5185(m) >20	<1	---	---

INFRA-RED

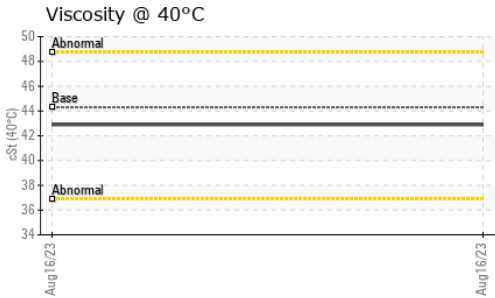
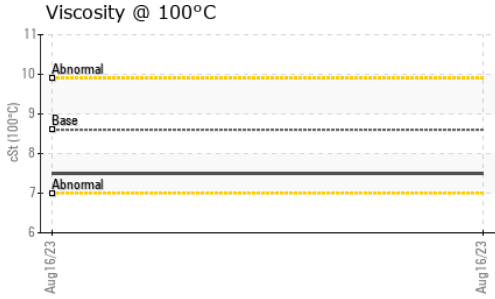
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	0	---	---
Nitration	Abs/cm	ASTM D7624*	5.0	---	---
Sulfation	Abs/.1mm	ASTM D7415*	157.9	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	178.5	---	---





OIL ANALYSIS REPORT



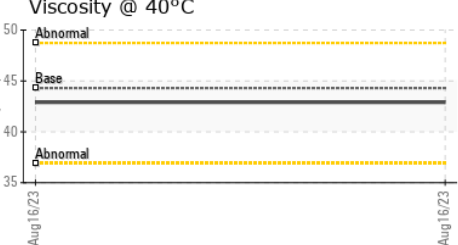
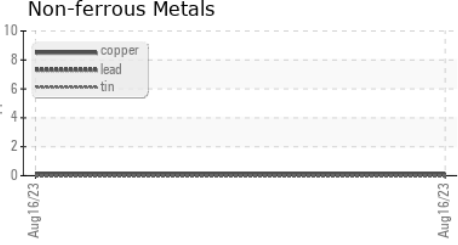
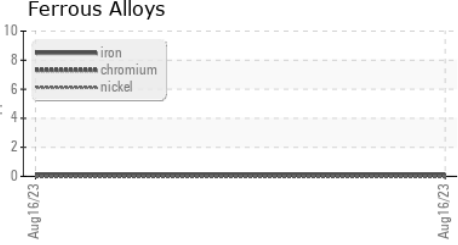
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	44.3	42.9	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.6	7.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	176	142	---	---

SAMPLE IMAGES

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
Sample No. : WC
Lab Number : 02576608
Unique Number : 5629668
Test Package : TEST (Additional Tests: FT-IR, ICP, KV100, KV40, VI)

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 3750, 14 AVE WEST
 SAINT-GEORGES DE BEAUCES, QC
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 Contact: Hughes Giroux
 h.giroux@sinto.ca
 T: 1(800)463-0025
 F: (418)228-5592

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.