

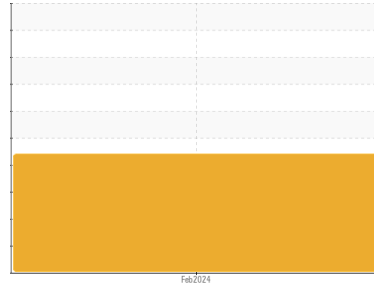
PROBLEM SUMMARY

Sample Rating Trend

ISO

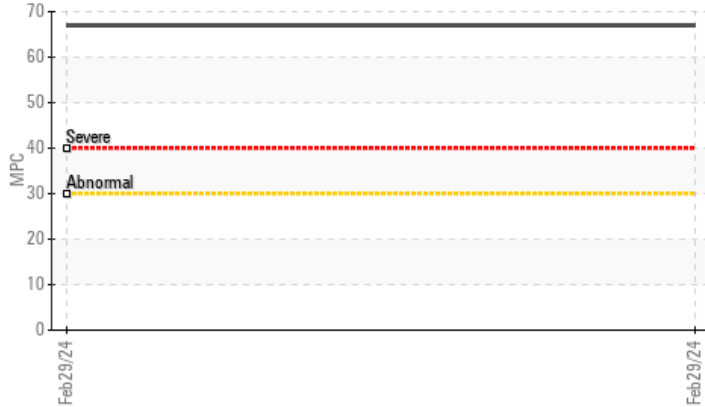


Area
Domtar Inc - 888076
 Machine Id
PG079
 Component
Unknown Component
 Fluid
CHEM-ECOL PMO 220 (--- GAL)

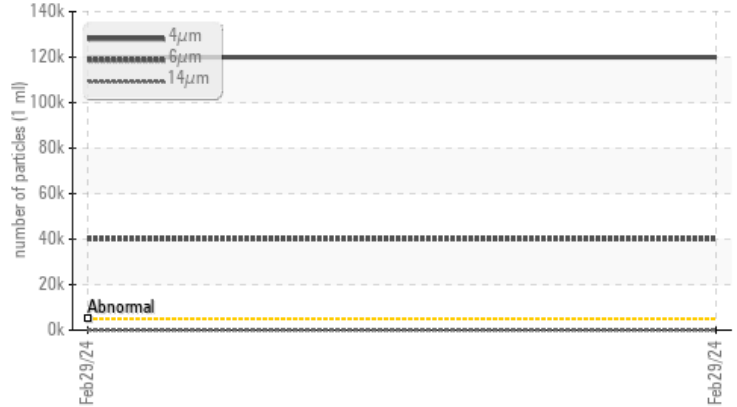


COMPONENT CONDITION SUMMARY

▲ Varnish Potential



▲ Particle Trend



RECOMMENDATION

The sample submitted is 32 times dirtier than the ISO dirt count recommendation of 19/16/14. MPC is critical.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Particles >4µm	ASTM D7647	>5000	▲ 119943	---	---	---
Particles >6µm	ASTM D7647	>640	▲ 40086	---	---	---
Oil Cleanliness	ISO 4406 (c)	>19/16/14	▲ 24/23/13	---	---	---
MPC Varnish Potential	Scale	ASTM D7843(m)*	>15	▲ 67	---	---

Customer Id: CHECOB
 Sample No.: E30001525
 Lab Number: 02621269
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
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gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

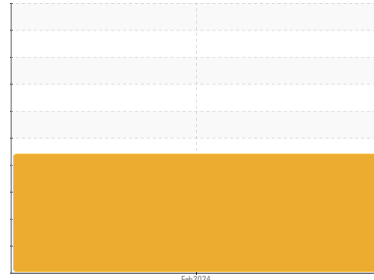
There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
Domtar Inc - 888076
 Machine Id
PG079
 Component
Unknown Component
 Fluid
CHEM-ECOL PMO 220 (--- GAL)

DIAGNOSIS

▲ Recommendation

The sample submitted is 32 times dirtier than the ISO dirt count recommendation of 19/16/14. MPC is critical.

▲ Contamination

MPC Varnish Potential contamination levels are severely high. Particles >4µm are abnormally high. Particles >6µm and oil cleanliness are abnormally high.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Machine ID	Client Info		Main 46K	---	---
Department	Client Info		Sales	---	---
Sample From	Client Info		Machine	---	---
Production Stage	Client Info		Initial	---	---
Sent to WC	Client Info		03/07/2024	---	---
Sample Number	Client Info		E30001525	---	---
Sample Date	Client Info		29 Feb 2024	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed		Client Info	N/A	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	0	---	---
Chromium	ppm	ASTM D5185(m)	0	---	---
Nickel	ppm	ASTM D5185(m)	<1	---	---
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

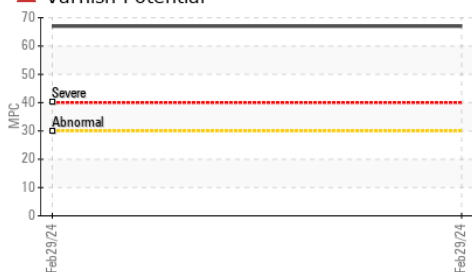
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	---	---
Barium	ppm	ASTM D5185(m)	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0	---	---
Manganese	ppm	ASTM D5185(m)	0	---	---
Magnesium	ppm	ASTM D5185(m)	<1	---	---
Calcium	ppm	ASTM D5185(m)	65	---	---
Phosphorus	ppm	ASTM D5185(m)	154	---	---
Zinc	ppm	ASTM D5185(m)	1	---	---
Sulfur	ppm	ASTM D5185(m)	3409	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

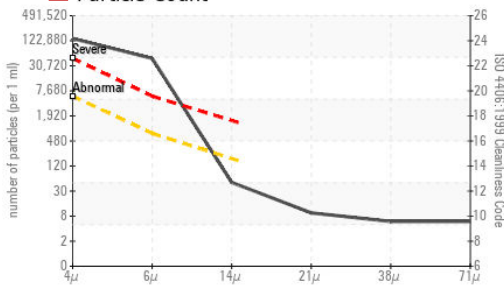
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1	---	---
Sodium	ppm	ASTM D5185(m)	0	---	---
Potassium	ppm	ASTM D5185(m)	>20	---	---
Water	%	ASTM D6304*	0.006	---	---
ppm Water	ppm	ASTM D6304*	63	---	---

OIL ANALYSIS REPORT

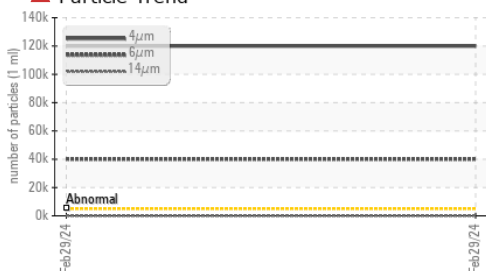
▲ Varnish Potential



▲ Particle Count



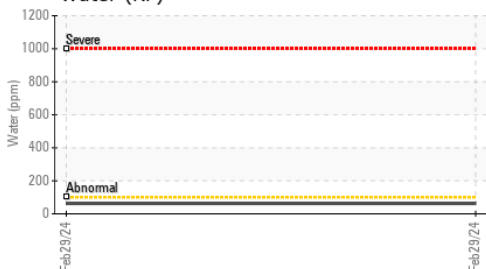
▲ Particle Trend



Acid Number



Water (KF)



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 119943	---	---
Particles >6µm	ASTM D7647	>640	▲ 40086	---	---
Particles >14µm	ASTM D7647	>160	43	---	---
Particles >21µm	ASTM D7647	>40	8	---	---
Particles >38µm	ASTM D7647	>10	5	---	---
Particles >71µm	ASTM D7647	>3	5	---	---
Oil Cleanliness	ISO 4406 (c)	>19/16/14	▲ 24/23/13	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.43	---	---
MPC Varnish Potential	Scale	ASTM D7843(m)*	▲ 67	---	---

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)	220	223	---
Visc @ 100°C	cSt	ASTM D7279(m)		19.3	---
Viscosity Index (VI)	Scale	ASTM D2270*		97	---

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



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30001525
Lab Number : 02621269
Unique Number : 5746388
Test Package : IND 2 (Additional Tests: KF, KV100, MPC, PrtCount, TAN Man, VI)

Received : 11 Mar 2024
Tested : 12 Mar 2024
Diagnosed : 13 Mar 2024 - Tatiana Sorkina

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To discuss this sample report, contact Customer Service at 1-905-372-2251.
 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.

MPC (Varnish Test)



Sample Color & Clarity



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