

Area
[13966599]
Machine Id
MPG B HYDRAULIC START F-71204
Component
Hydraulic System
Fluid
{not provided} (--- GAL)



DIAGNOSIS

Recommendation
Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear
All component wear rates are normal.

Contamination
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition
Viscosity of sample indicates oil is within ISO 22 range, advise investigate. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		PC	---	---
Sample Date	Client Info		17 Feb 2024	---	---
Machine Age	hrs Client Info		0	---	---
Oil Age	hrs Client Info		0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION	method	limit/base	current	history1	history2
Water	WC Method	>0.05	NEG	---	---

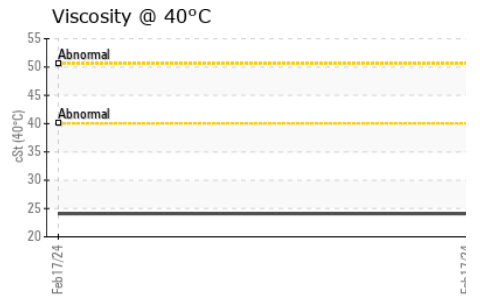
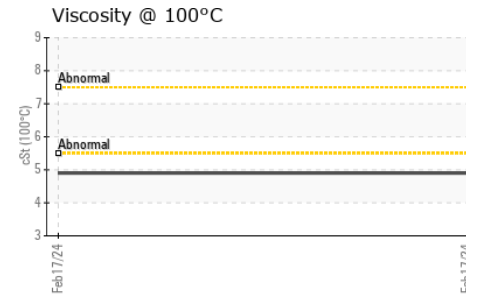
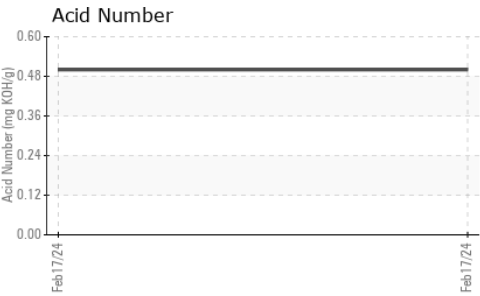
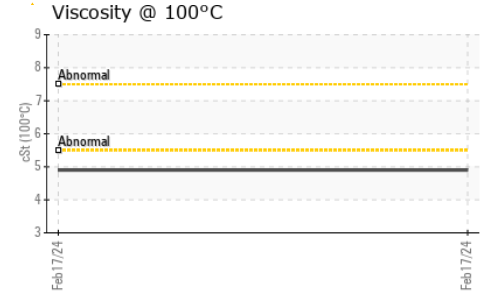
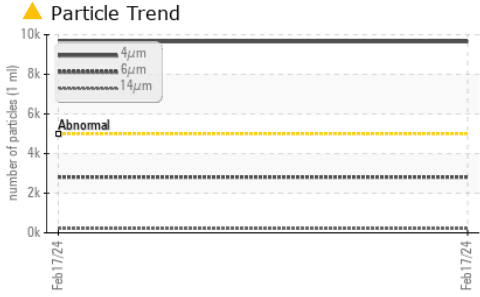
WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m)	>20	0	---	---
Chromium	ppm ASTM D5185(m)	>10	0	---	---
Nickel	ppm ASTM D5185(m)	>10	<1	---	---
Titanium	ppm ASTM D5185(m)		0	---	---
Silver	ppm ASTM D5185(m)		0	---	---
Aluminum	ppm ASTM D5185(m)	>10	0	---	---
Lead	ppm ASTM D5185(m)	>20	18	---	---
Copper	ppm ASTM D5185(m)	>20	<1	---	---
Tin	ppm ASTM D5185(m)	>10	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)		14	---	---
Phosphorus	ppm ASTM D5185(m)		61	---	---
Zinc	ppm ASTM D5185(m)		54	---	---
Sulfur	ppm ASTM D5185(m)		1794	---	---
Lithium	ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	>15	0	---	---
Sodium	ppm ASTM D5185(m)		1	---	---
Potassium	ppm ASTM D5185(m)	>20	2	---	---

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	9651	---	---
Particles >6µm	ASTM D7647	>1300	2813	---	---
Particles >14µm	ASTM D7647	>160	210	---	---
Particles >21µm	ASTM D7647	>40	49	---	---
Particles >38µm	ASTM D7647	>10	5	---	---
Particles >71µm	ASTM D7647	>3	1	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	20/19/15	---	---

OIL ANALYSIS REPORT



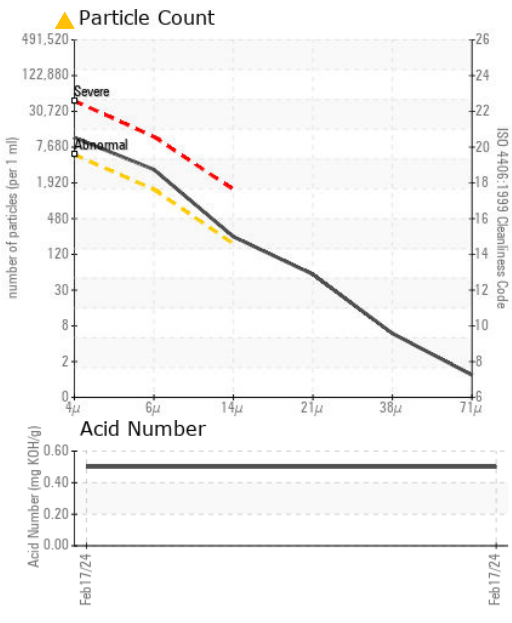
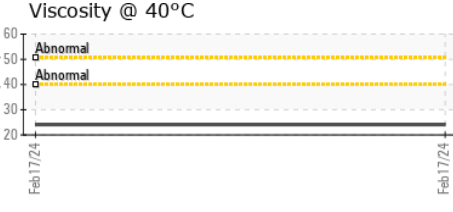
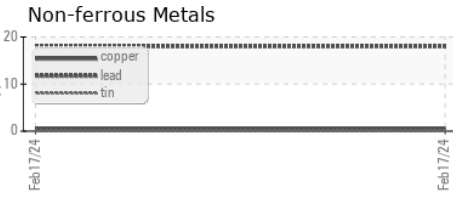
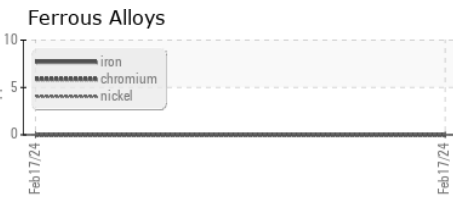
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.50	---	---

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	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.05	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		24.1	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		4.9	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		129	---	---

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. : PC **Received** : 01 Apr 2024
Lab Number : **02625688** **Tested** : 02 Apr 2024
Unique Number : 5750807 **Diagnosed** : 02 Apr 2024 - Kevin Marson
Test Package : MAR 2 (Additional Tests: KV100, VI)

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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.