



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
CASE 170B 017005 96 74373
Component
Hydraulic System
Fluid
{not provided} (100 GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. (Customer Sample Comment: Testing to decide between changing and topping up.)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0000547	---	---
Sample Date		Client Info		18 May 2024	---	---
Machine Age	hrs	Client Info		7221	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>65	16	---	---
Chromium	ppm	ASTM D5185m	>6	3	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>5	<1	---	---
Lead	ppm	ASTM D5185m	>45	9	---	---
Copper	ppm	ASTM D5185m	>120	27	---	---
Tin	ppm	ASTM D5185m	>4	0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

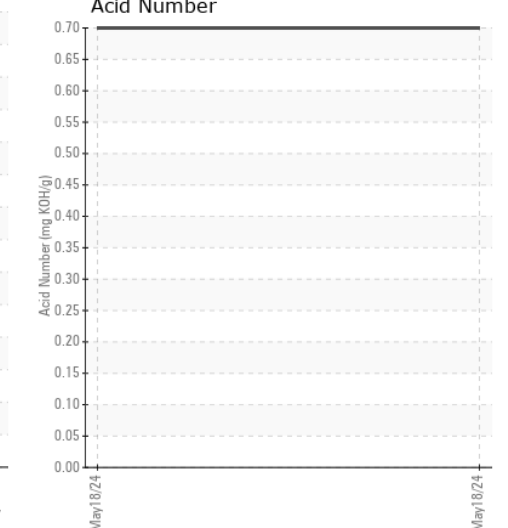
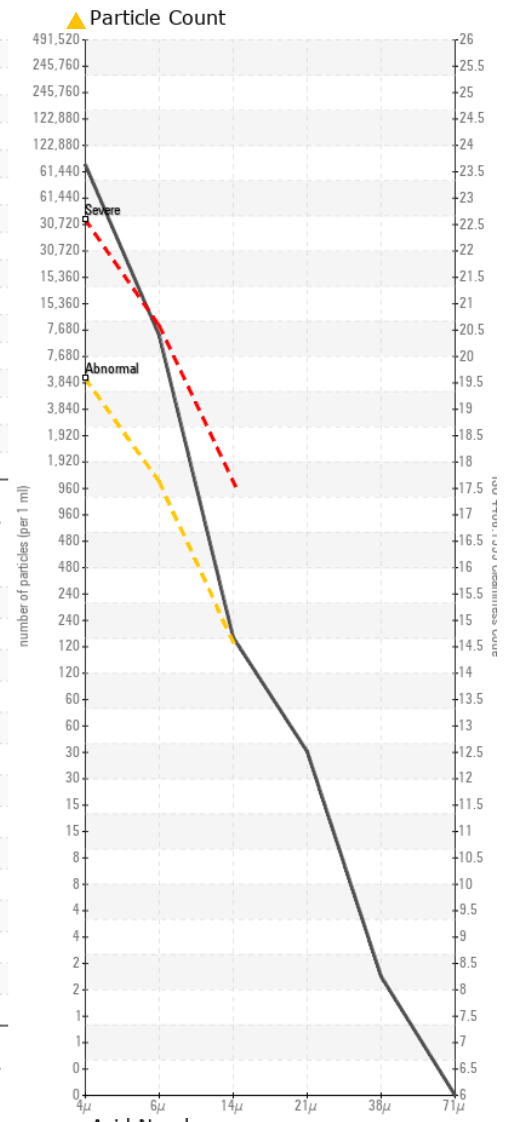
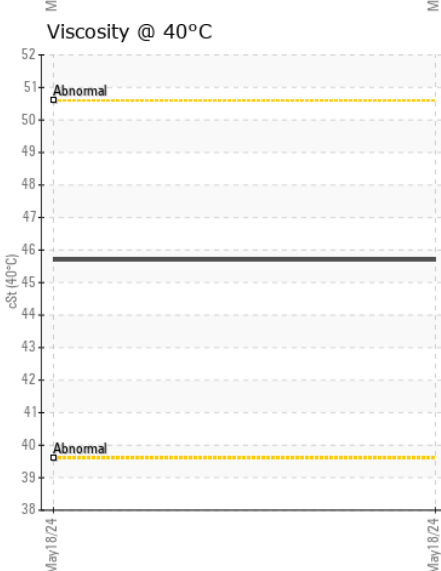
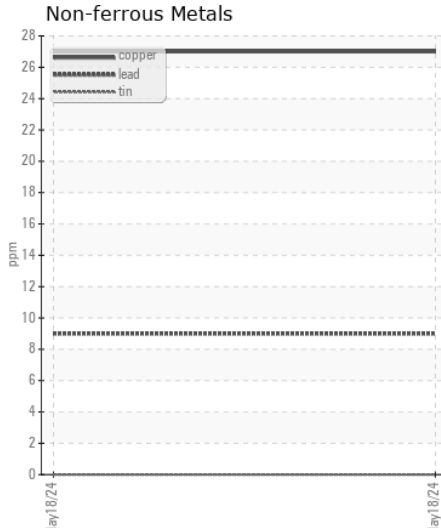
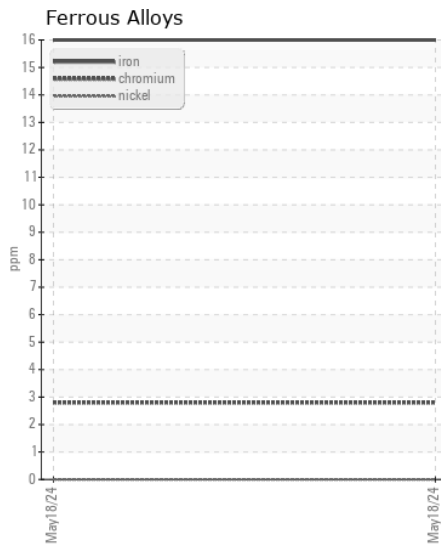
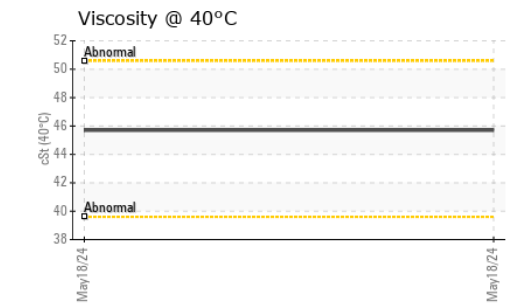
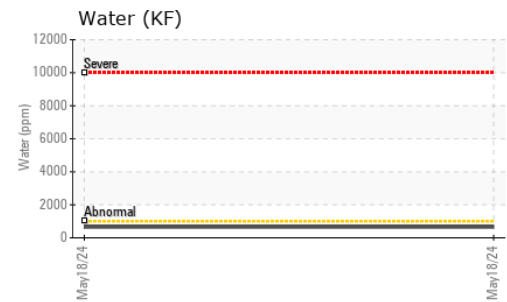
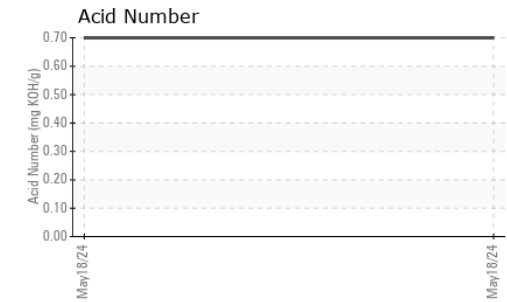
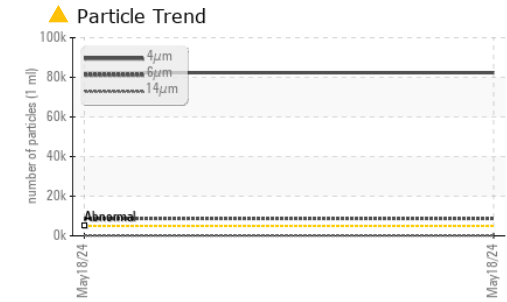
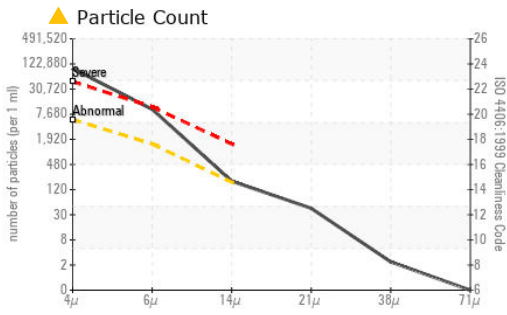
There is a high amount of particulates present in the oil. Chlorine not detected.

Silicon	ppm	ASTM D5185m	>25	6	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water	%	ASTM D6304	>0.1	0.065	---	---
ppm Water	ppm	ASTM D6304	>1000	655	---	---
Particles >4µm		ASTM D7647	>5000	▲ 82346	---	---
Particles >6µm		ASTM D7647	>1300	▲ 8786	---	---
Particles >14µm		ASTM D7647	>160	▲ 169	---	---
Particles >21µm		ASTM D7647	>40	38	---	---
Particles >38µm		ASTM D7647	>10	2	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/20/15	---	---
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	>0.1	0.2%	---	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		4	---	---
Boron	ppm	ASTM D5185m		29	---	---
Barium	ppm	ASTM D5185m		1	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		191	---	---
Calcium	ppm	ASTM D5185m		318	---	---
Phosphorus	ppm	ASTM D5185m		503	---	---
Zinc	ppm	ASTM D5185m		573	---	---
Sulfur	ppm	ASTM D5185m		4283	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.70	---	---
Visc @ 40°C	cSt	ASTM D445		45.7	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0000547 **Received** : 22 May 2024
Lab Number : 06188198 **Tested** : 24 May 2024
Unique Number : 11044950 **Diagnosed** : 24 May 2024 - Doug Bogart
Test Package : MOBCE (Additional Tests: KF)

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 US 23936
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)