



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
KLOSTER PH87581

Component
Hydraulic System

Fluid
AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. 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.

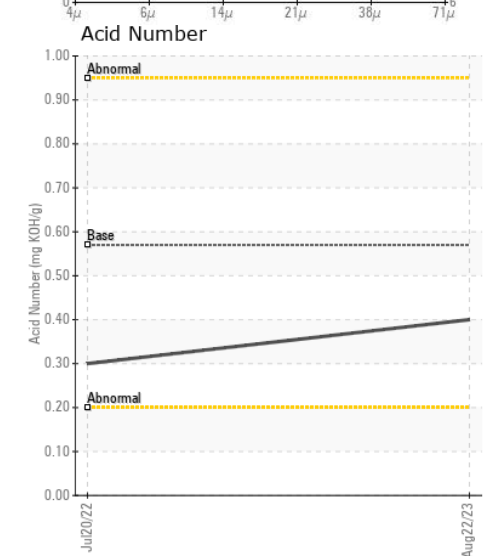
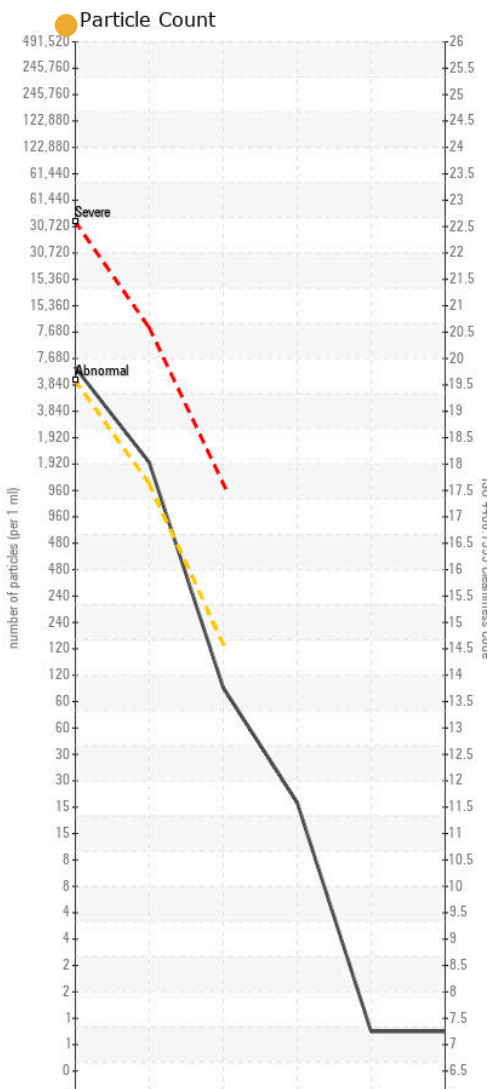
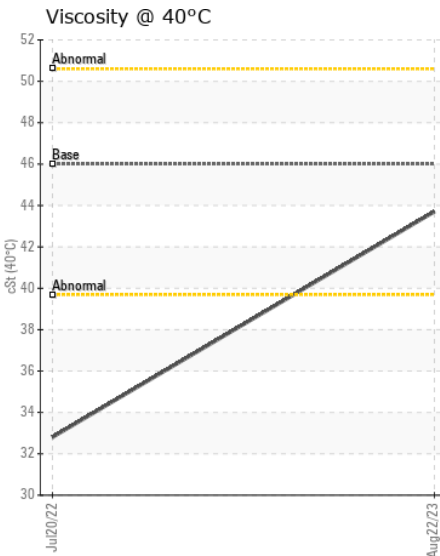
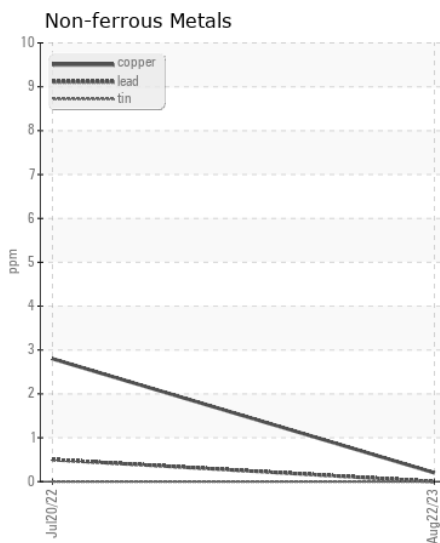
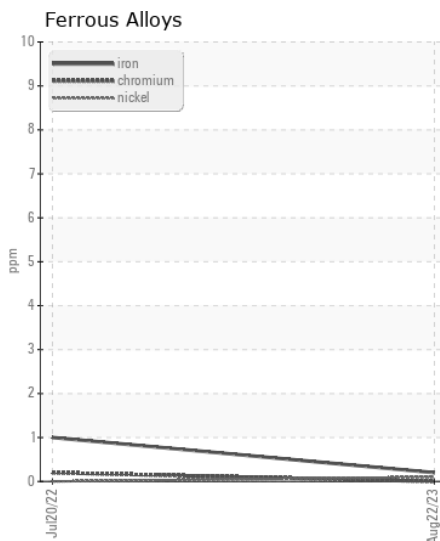
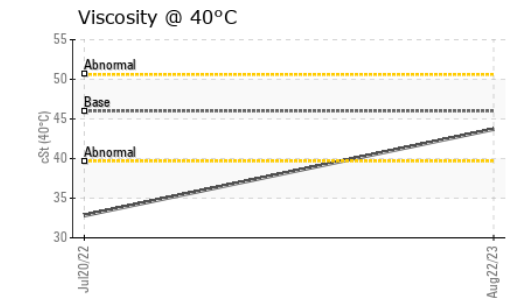
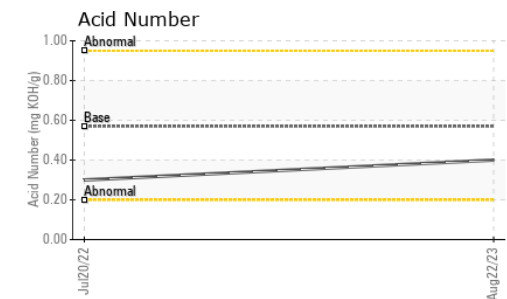
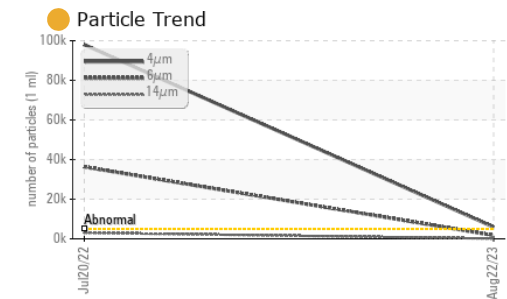
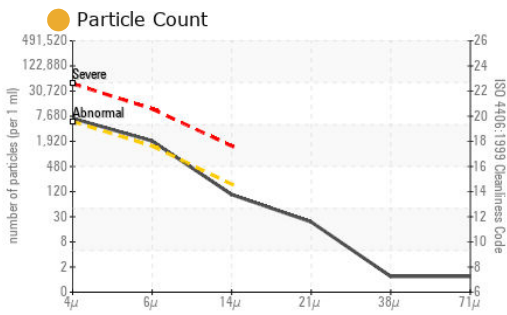
CONTAMINATION

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

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0741326	WC0566151	---
Sample Date		Client Info		22 Aug 2023	20 Jul 2022	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ATTENTION	SEVERE	---
Iron	ppm	ASTM D5185(m)	>20	<1	1	---
Chromium	ppm	ASTM D5185(m)	>20	0	<1	---
Nickel	ppm	ASTM D5185(m)	>20	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	0	---
Lead	ppm	ASTM D5185(m)	>20	0	<1	---
Copper	ppm	ASTM D5185(m)	>20	<1	3	---
Tin	ppm	ASTM D5185(m)	>20	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	▲ LIGHT	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185(m)	>15	<1	1	---
Potassium	ppm	ASTM D5185(m)	>20	0	<1	---
Water		WC Method	>0.05	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	● 5941	▲ 97997	---
Particles >6µm		ASTM D7647	>1300	● 1714	▲ 36294	---
Particles >14µm		ASTM D7647	>160	90	▲ 3053	---
Particles >21µm		ASTM D7647	>40	20	▲ 761	---
Particles >38µm		ASTM D7647	>10	1	● 2	---
Particles >71µm		ASTM D7647	>3	1	2	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	● 20/18/14	▲ 24/22/19	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)		<1	<1	---
Boron	ppm	ASTM D5185(m)	5	<1	0	---
Barium	ppm	ASTM D5185(m)	5	0	0	---
Molybdenum	ppm	ASTM D5185(m)	5	<1	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)	25	7	1	---
Calcium	ppm	ASTM D5185(m)	200	66	33	---
Phosphorus	ppm	ASTM D5185(m)	300	372	362	---
Zinc	ppm	ASTM D5185(m)	370	447	399	---
Sulfur	ppm	ASTM D5185(m)	2500	838	937	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	0.40	0.30	---
Visc @ 40°C	cSt	ASTM D7279(m)	46	43.7	▲ 32.8	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0741326
Lab Number : 02577725
Unique Number : 5630785
Test Package : IND 2

Received : 23 Aug 2023
Tested : 24 Aug 2023
Diagnosed : 24 Aug 2023 - Wes Davis

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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.