OIL ANALYSIS REPORT
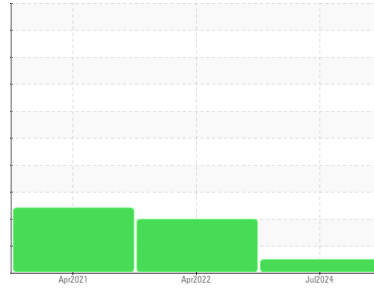
Sample Rating Trend

NORMAL

Area
Powerblock
Machine Id
Induced Draft Fan
Component
Non-Drive End Bearing
Fluid
ROYAL PURPLE SYNFILM GT 68 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the oil.

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		**WC0839385**	WC0539364	RP0014763
Sample Date	Client Info		**10 Jul 2024**	11 Apr 2022	05 Apr 2021
Machine Age hrs	Client Info		**26280**	26280	0
Oil Age hrs	Client Info		**26280**	8760	0
Oil Changed	Client Info		**N/A**	Changed	N/A
Sample Status			**NORMAL**	ABNORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>2	**NEG**	NEG	NEG

WEAR METALS

		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>84	**59**	3	3
Chromium	ppm	ASTM D5185m	>20	**0**	0	0
Nickel	ppm	ASTM D5185m	>3	**0**	0	<1
Titanium	ppm	ASTM D5185m		**<1**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>3	**<1**	<1	0
Lead	ppm	ASTM D5185m	>143	**144**	87	132
Copper	ppm	ASTM D5185m	>13	**1**	10	▲ 27
Tin	ppm	ASTM D5185m	>41	**3**	2	2
Antimony	ppm	ASTM D5185m		**---**	---	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES

		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	<1	0
Barium	ppm	ASTM D5185m		**0**	2	0
Molybdenum	ppm	ASTM D5185m		**0**	0	0
Manganese	ppm	ASTM D5185m		**<1**	<1	<1
Magnesium	ppm	ASTM D5185m	90	**66**	40	0
Calcium	ppm	ASTM D5185m		**17**	7	14
Phosphorus	ppm	ASTM D5185m		**18**	63	120
Zinc	ppm	ASTM D5185m		**23**	30	29
Sulfur	ppm	ASTM D5185m		**20982**	12575	1230

CONTAMINANTS

		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**14**	▲ 29	▲ 31
Sodium	ppm	ASTM D5185m		**3**	0	0
Potassium	ppm	ASTM D5185m	>20	**<1**	1	0

FLUID DEGRADATION

		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.28**	0.27	0.053

Acid Number

Viscosity @ 40°C
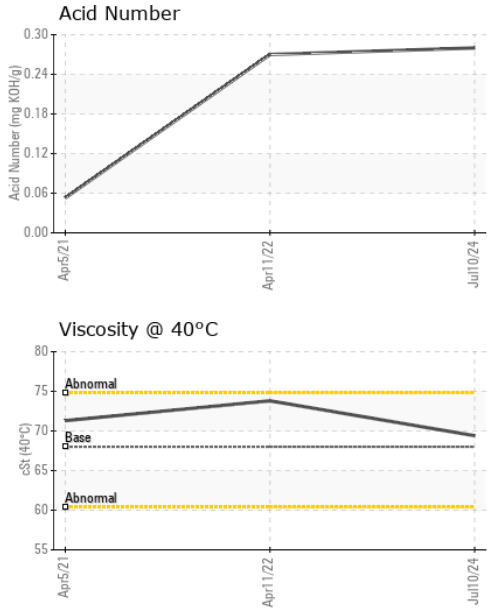
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**LIGHT**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	⚠ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>2	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68	**69.4**	73.8	71.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
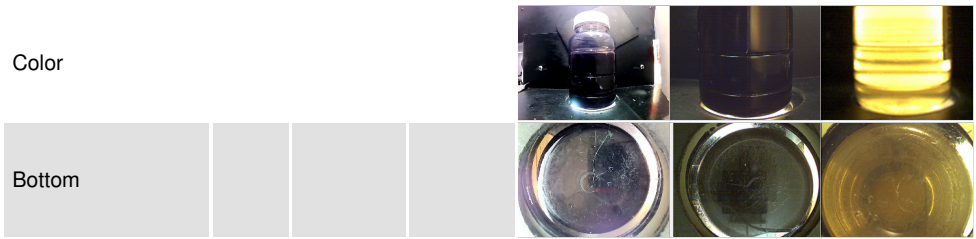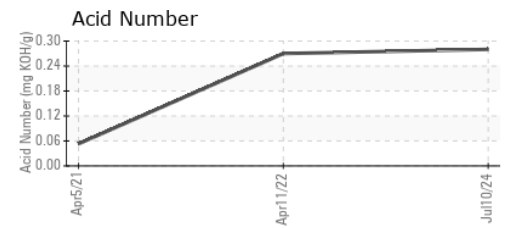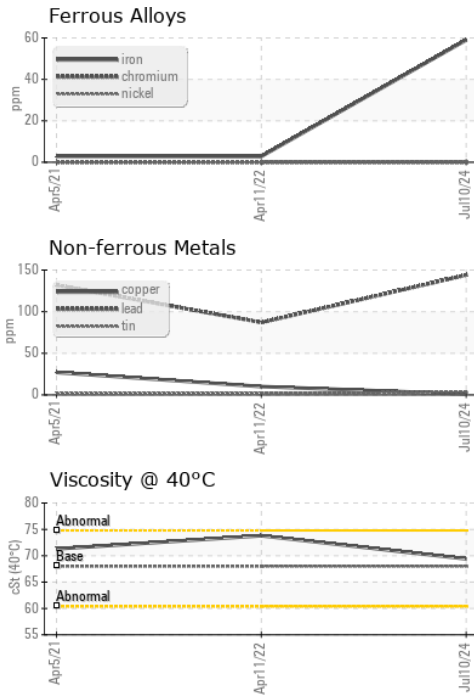
GRAPHS

Ferrous Alloys
iron, chromium, nickel

Non-ferrous Metals
copper, lead, tin

Viscosity @ 40°C

Acid Number

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
Certificate L2367

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)