



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
MRC-320
Component
Compressor
Fluid
LUBSOIL (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

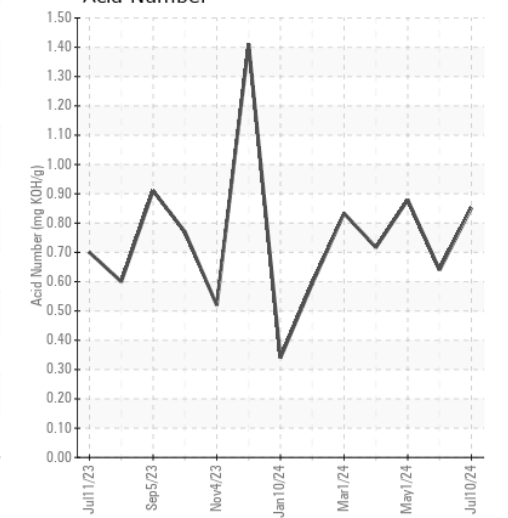
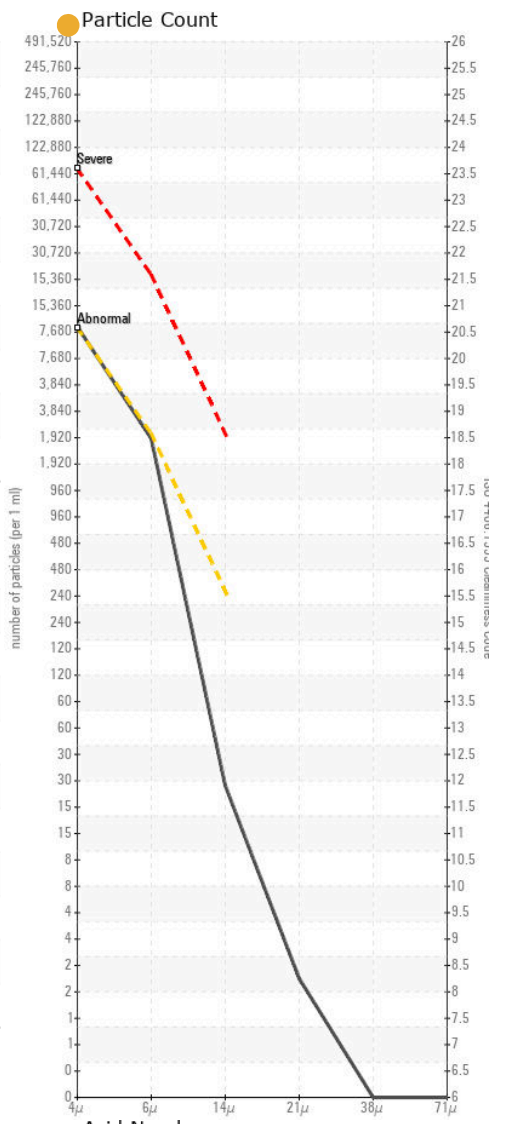
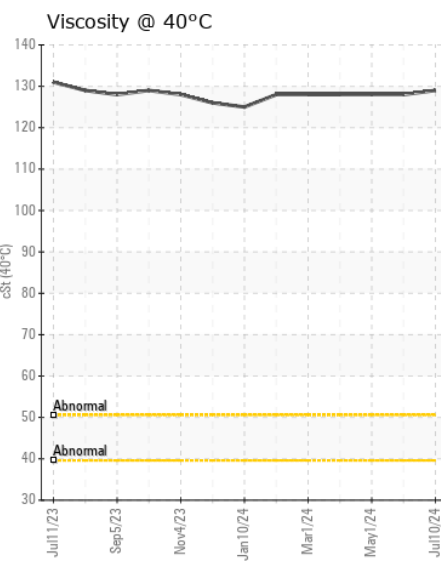
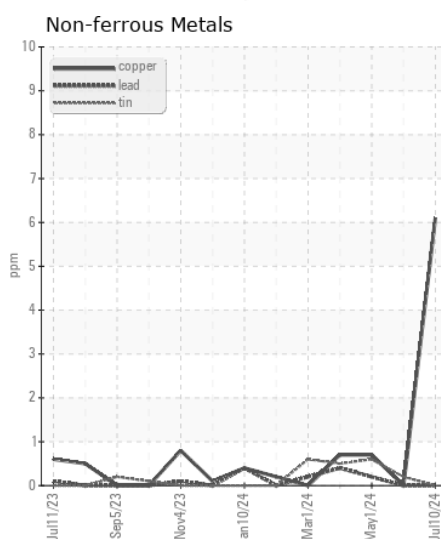
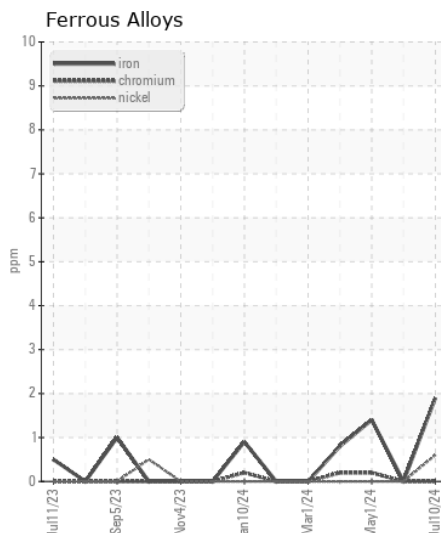
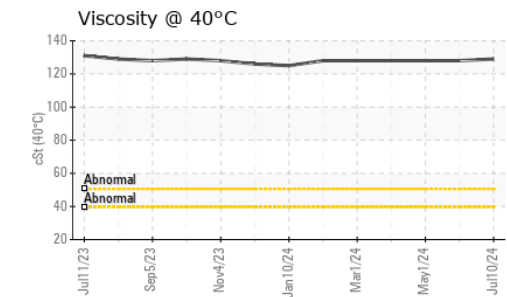
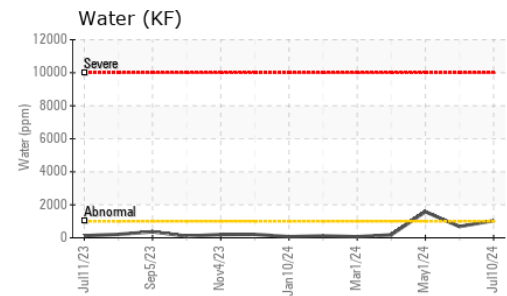
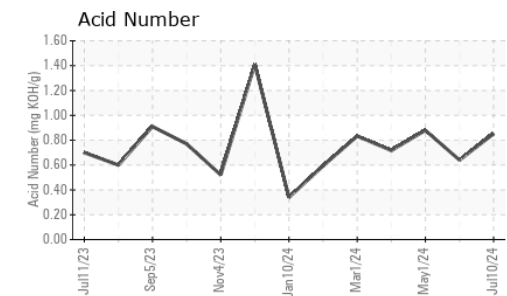
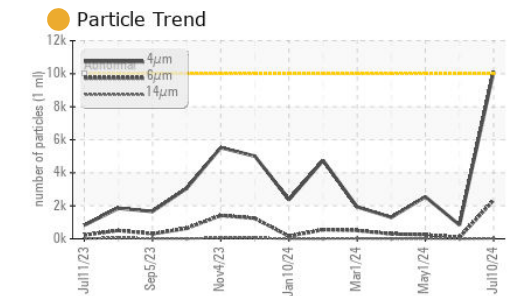
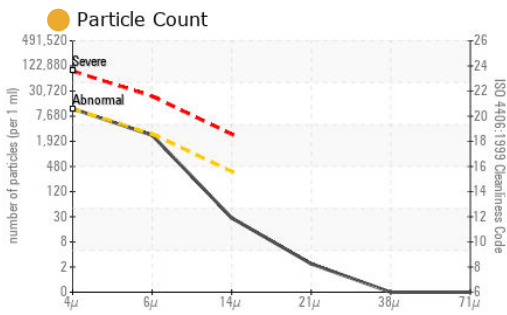
CONTAMINATION

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil. There is a trace of moisture 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		TO60002927	TO60002734	TO60002541
Sample Date		Client Info		10 Jul 2024	31 May 2024	01 May 2024
Machine Age	hrs	Client Info		7409	6560	6286
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>50	2	0	1
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	<1	1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	6	0	<1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	4	4	12
Potassium	ppm	ASTM D5185m	>20	5	4	4
Water	%	ASTM D6304	>0.1	0.104	0.068	▲ 0.158
ppm Water	ppm	ASTM D6304	>1000	1040	680	▲ 1580
Particles >4µm		ASTM D7647	>10000	● 10120	834	2545
Particles >6µm		ASTM D7647	>2500	2346	89	242
Particles >14µm		ASTM D7647	>320	25	3	13
Particles >21µm		ASTM D7647	>80	2	0	4
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	● 21/18/12	17/14/9	19/15/11
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		10	6	5
Boron	ppm	ASTM D5185m		18	48	65
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		1	<1	0
Magnesium	ppm	ASTM D5185m		9	7	7
Calcium	ppm	ASTM D5185m		1242	1262	1186
Phosphorus	ppm	ASTM D5185m		308	288	284
Zinc	ppm	ASTM D5185m		328	330	300
Sulfur	ppm	ASTM D5185m		4105	4803	4058
Acid Number (AN)	mg KOH/g	ASTM D8045		0.852	0.64	0.879
Visc @ 40°C	cSt	ASTM D445		129	128	128
Visc @ 100°C	cSt	ASTM D445		13.4	13.5	13.4
Viscosity Index (VI)	Scale	ASTM D2270		98	100	99



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002927 **Received** : 16 Jul 2024
Lab Number : 06238460 **Tested** : 18 Jul 2024
Unique Number : 11127294 **Diagnosed** : 18 Jul 2024 - Doug Bogart
Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI)

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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)