



Machine Id
BIG EASY

Component
4 Slewing Gearbox

Fluid
CHEVRON MEROPA 220 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

A sharp increase in the iron level is noted. Gear wear is indicated. Bearing and/or bushing wear is indicated.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

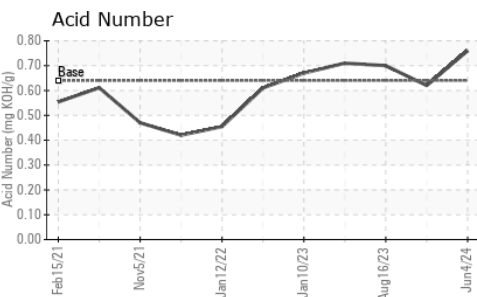
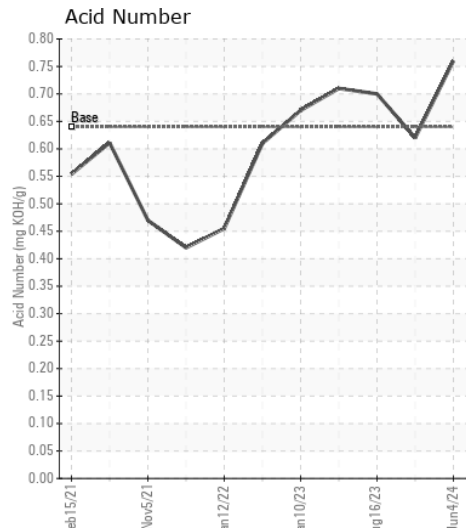
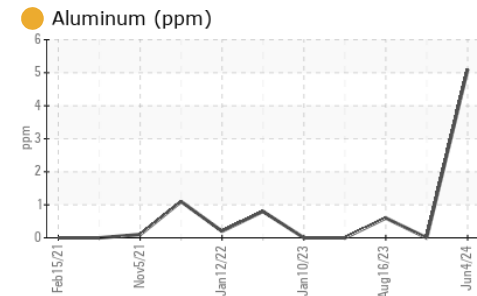
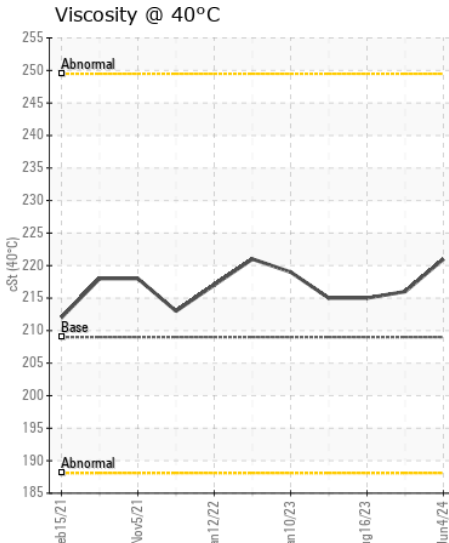
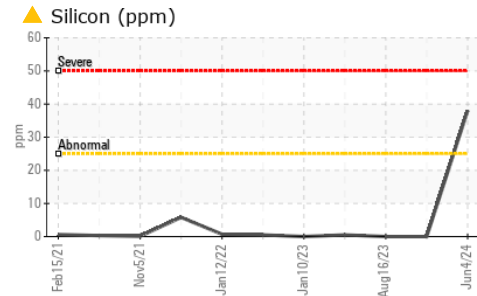
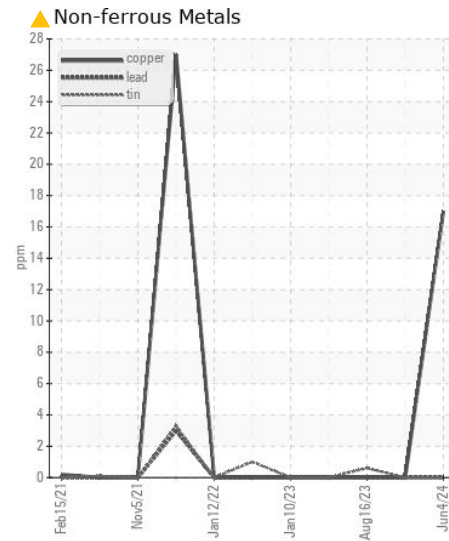
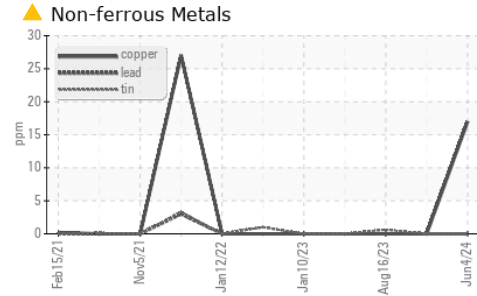
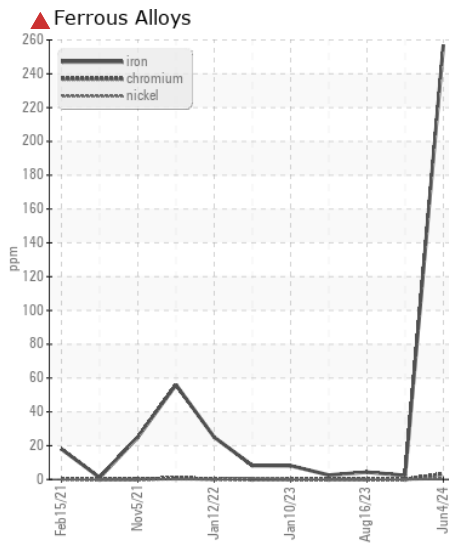
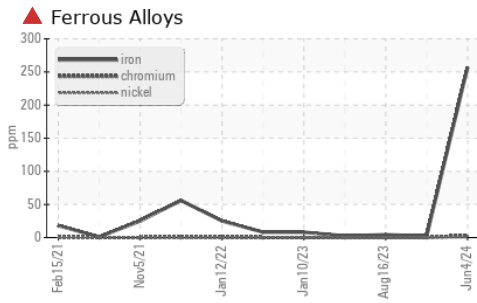
The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0064927	MW0064922	MW0057164
Sample Date		Client Info		04 Jun 2024	24 Jan 2024	16 Aug 2023
Machine Age	hrs	Client Info		13720	12616	11616
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	None	N/A
Sample Status				SEVERE	ATTENTION	NORMAL

Iron	ppm	ASTM D5185m	>50	▲ 257	2	4
Chromium	ppm	ASTM D5185m	>10	3	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		● 5	0	<1
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>10	▲ 17	0	0
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>25	▲ 38	0	0
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water		WC Method	>0.2	NEG	NEG	NEG
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	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		0	<1	0
Boron	ppm	ASTM D5185m	40	173	31	42
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		3	0	<1
Magnesium	ppm	ASTM D5185m		2	0	0
Calcium	ppm	ASTM D5185m		80	<1	7
Phosphorus	ppm	ASTM D5185m	270	945	225	272
Zinc	ppm	ASTM D5185m		44	0	0
Sulfur	ppm	ASTM D5185m	8600	27142	6401	8629
Acid Number (AN)	mg KOH/g	ASTM D8045	0.64	0.76	0.62	0.70
Visc @ 40°C	cSt	ASTM D445	209	221	216	215



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0064927
Lab Number : 06214899
Unique Number : 11087763
Test Package : MAR 2
Received : 19 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 21 Jun 2024 - Don Baldrige

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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)