



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KELLY LEE
Component
Port Reduction Gear
Fluid
CHEVRON GEAR COMPOUND EP 1000 (180 GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0066968	MW0057773	MW0057772
Sample Date		Client Info		11 Apr 2024	23 Mar 2024	23 Mar 2024
Machine Age	hrs	Client Info		17274	16647	16679
Oil Age	hrs	Client Info		17274	16647	16679
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

Gear wear is indicated. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	▲ 208	20	▲ 203
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	1
Titanium	ppm	ASTM D5185m		<1	<1	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	2
Lead	ppm	ASTM D5185m	>100	<1	0	2
Copper	ppm	ASTM D5185m	>50	5	3	7
Tin	ppm	ASTM D5185m	>10	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

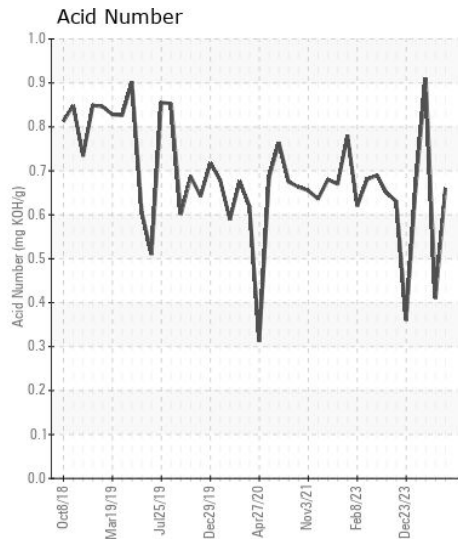
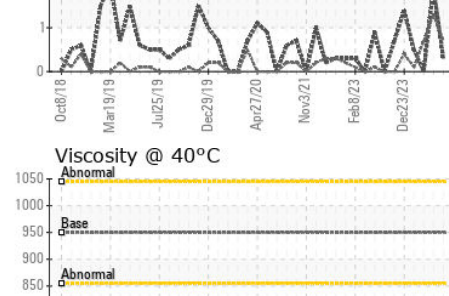
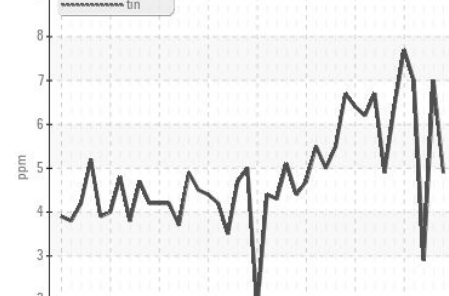
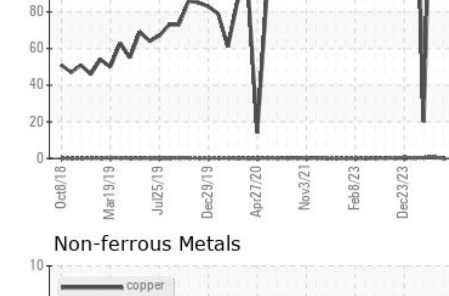
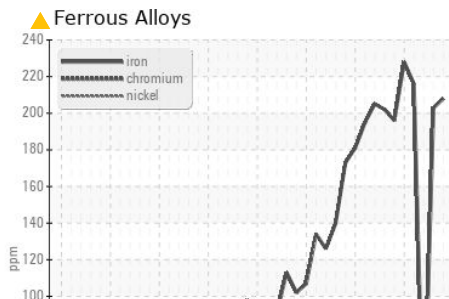
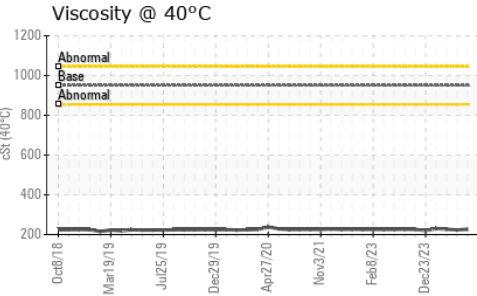
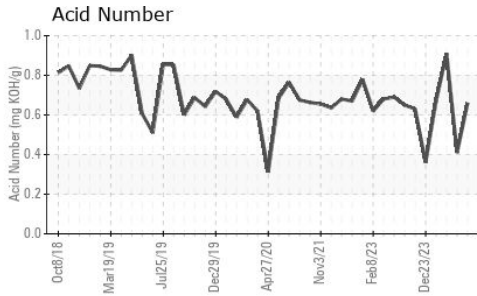
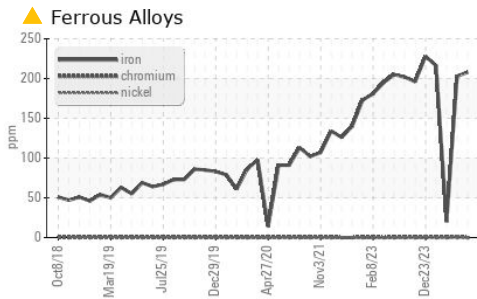
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	4	8	6
Potassium	ppm	ASTM D5185m	>20	2	2	3
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		8	10	6
Boron	ppm	ASTM D5185m		<1	0	7
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		2	2	1
Manganese	ppm	ASTM D5185m		1	<1	2
Magnesium	ppm	ASTM D5185m		<1	6	1
Calcium	ppm	ASTM D5185m		49	64	18
Phosphorus	ppm	ASTM D5185m		213	235	230
Zinc	ppm	ASTM D5185m		17	21	<1
Sulfur	ppm	ASTM D5185m		6252	6678	6906
Acid Number (AN)	mg KOH/g	ASTM D8045		0.66	0.41	0.91
Visc @ 40°C	cSt	ASTM D445	950	227	223	227



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0066968
Lab Number : 06176191
Unique Number : 11022244
Test Package : MAR 2
Received : 10 May 2024
Tested : 13 May 2024
Diagnosed : 14 May 2024 - Sean Felton

MAGNOLIA MARINE TRANSPORT
 697 HAINING ROAD
 VICKSBURG, MS
 US 39183
 Contact: MMT MAINTENANCE PLANNERS
 mmtmaintenanceplanners@ergon.com

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) T: x: F: (601)638-8028