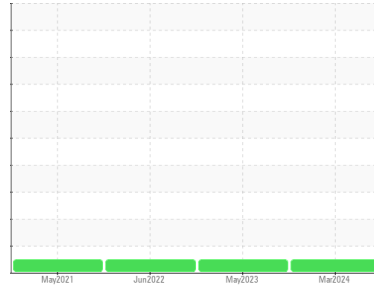




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
VICAM
 Machine Id
[VICAM] DRAWING LINE #2
 Component
Final Drive
 Fluid
CHEVRON MEROPA 220 (--- GAL)

DIAGNOSIS

Recommendation

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 component make and model with your next sample.

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	KFS0005131	KFS0002448	KFS0001641
Sample Date	Client Info	18 Mar 2024	16 May 2023	28 Jun 2022
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	18	32	24
Chromium	ppm ASTM D5185m >10	<1	2	1
Nickel	ppm ASTM D5185m >10	0	0	0
Titanium	ppm ASTM D5185m	<1	<1	0
Silver	ppm ASTM D5185m	<1	0	0
Aluminum	ppm ASTM D5185m >25	3	2	<1
Lead	ppm ASTM D5185m >25	0	<1	1
Copper	ppm ASTM D5185m >50	<1	5	4
Tin	ppm ASTM D5185m >10	<1	0	0
Antimony	ppm ASTM D5185m >5	---	---	---
Vanadium	ppm ASTM D5185m	<1	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 40	18	8	9
Barium	ppm ASTM D5185m	2	0	1
Molybdenum	ppm ASTM D5185m	0	<1	<1
Manganese	ppm ASTM D5185m	0	<1	<1
Magnesium	ppm ASTM D5185m	<1	0	<1
Calcium	ppm ASTM D5185m	23	17	15
Phosphorus	ppm ASTM D5185m 270	238	230	196
Zinc	ppm ASTM D5185m	7	0	5
Sulfur	ppm ASTM D5185m 8600	10525	7924	6767

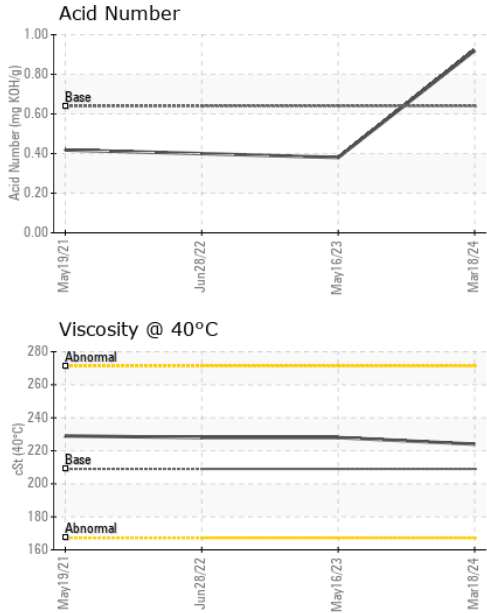
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	6	8	6
Sodium	ppm ASTM D5185m	0	2	0
Potassium	ppm ASTM D5185m >20	2	0	2

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.64	0.92	0.38	0.40

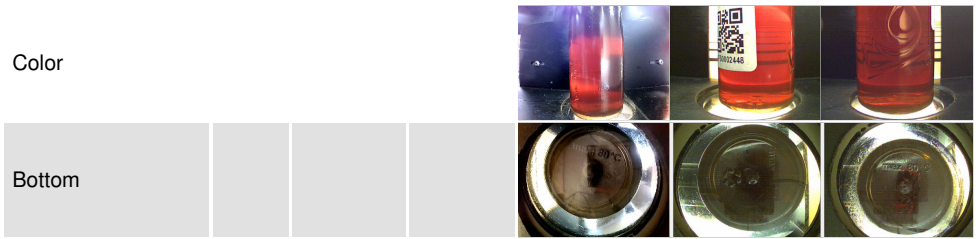
OIL ANALYSIS REPORT



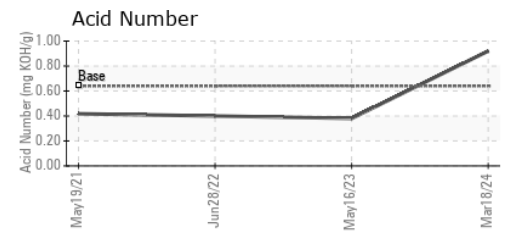
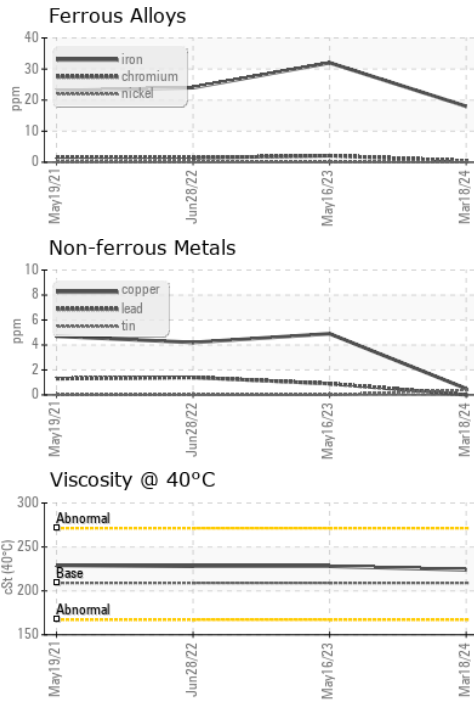
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 209	224	228	228

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KFS0005131
Lab Number : 06125074
Unique Number : 10939225
Test Package : IND 2

Received : 21 Mar 2024
Tested : 24 Mar 2024
Diagnosed : 24 Mar 2024 - Wes Davis

VIAM/VICAM Manufacturing - Tennessee
 87 Parktower Road
 Manchester, TN
 US 37355
 Contact: Eric Thompson
 ethompson@viammfg.com
 T: (931)461-2300
 F:

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)