MAR II

WEAR CHECK Inland Marine Oil Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
GALE C
Machine Id
[GALE C] 005 550006-5
Component
Center Reduction Gear
Fluid
CHEVRON MEROPA 320 (--- GAL)

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

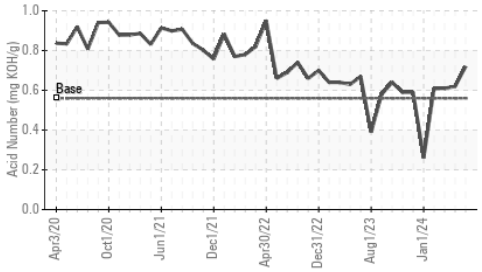
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW06221845	MW0068893	MW0063207
Sample Date		Client Info		01 Jun 2024	01 May 2024	01 Apr 2024
Machine Age	hrs	Client Info		44901	44185	43465
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				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>150	32	29	31
Chromium	ppm	ASTM D5185m	>10	2	<1	2
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	1
Lead	ppm	ASTM D5185m	>100	2	<1	3
Copper	ppm	ASTM D5185m	>50	3	<1	3
Tin	ppm	ASTM D5185m	>10	<1	<1	1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	2	<1	1
Potassium	ppm	ASTM D5185m	>20	1	0	2
Water	%	ASTM D6304	>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
Sodium	ppm	ASTM D5185m		<1	2	<1
Boron	ppm	ASTM D5185m	20	9	9	16
Barium	ppm	ASTM D5185m		1	<1	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	2
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		1	0	1
Calcium	ppm	ASTM D5185m	25	21	22	68
Phosphorus	ppm	ASTM D5185m	235	228	259	252
Zinc	ppm	ASTM D5185m		11	6	20
Sulfur	ppm	ASTM D5185m		5610	7319	5977
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	0.72	0.62	0.61
Visc @ 40°C	cSt	ASTM D445	304	307.6	312	309

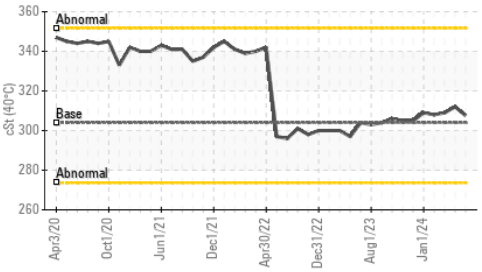
Report Id: INGPAD [WUSCAR] 06221845 (Generated: 07/02/2024 05:11:44) Rev: 1

Contact/Location: ANTHONY VAN CURA - INGPAD

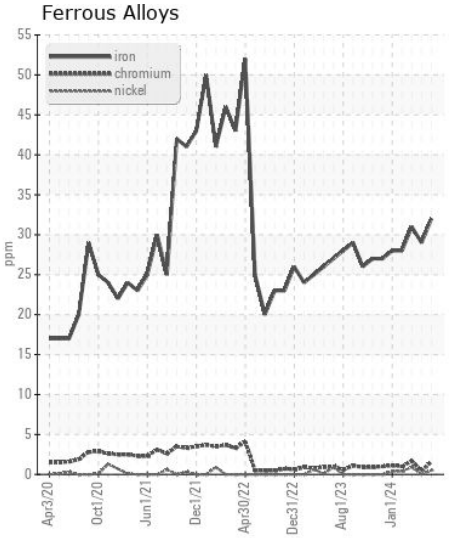
Acid Number



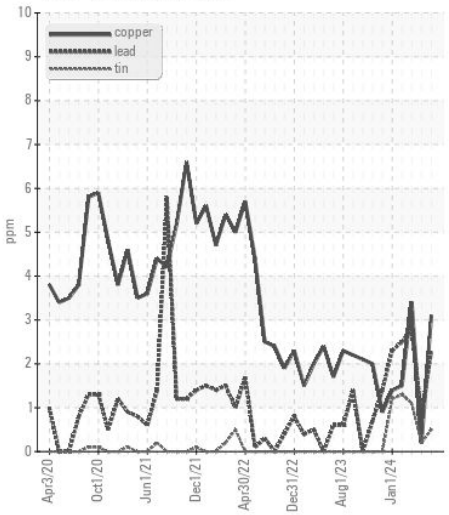
Viscosity @ 40°C



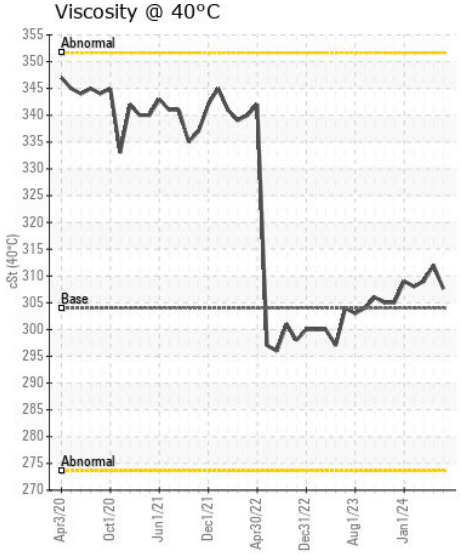
Ferrous Alloys



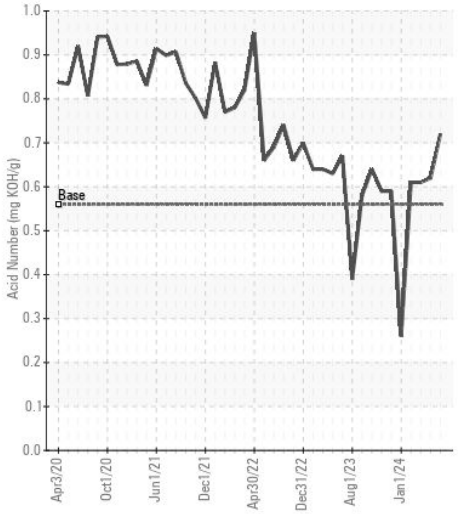
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW06221845 **Received** : 26 Jun 2024
Lab Number : 06221845 **Tested** : 01 Jul 2024
Unique Number : 11100042 **Diagnosed** : 01 Jul 2024 - Jonathan Hester
Test Package : MAR 2 (Additional Tests: KF)

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)

INGRAM BARGE
900 S 3RD ST
PADUCAH, KY
US 42003
Contact: ANTHONY VAN CURA
anthony.vancura@ingrambarge.com
T: (270)415-4467
F: (615)695-3697