

OIL ANALYSIS REPORT

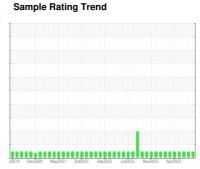
Acid Number (AN)

mg KOH/g ASTM D8045

Martinsville [Martinsville] Oil - Starboard Reduction Gear

Starboard Reduction Gear

MOBIL DELVAC 1640 (28 GAL)





Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: George Willis)

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0769128	WC0769177	WC0769438
Sample Date		Client Info		08 Aug 2023	10 Jul 2023	13 Jun 2023
Machine Age	hrs	Client Info		19402	18820	18206
Oil Age	hrs	Client Info		7098	6517	5903
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	14	12	13
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m	>50	21	20	19
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		12	12	11
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		37	38	39
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		535	543	504
Calcium	ppm	ASTM D5185m		1441	1455	1372
Phosphorus	ppm	ASTM D5185m		816	842	828
Zinc	ppm	ASTM D5185m		946	953	968
Sulfur	ppm	ASTM D5185m		3456	3581	3405
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	2	2
Sodium	ppm	ASTM D5185m		4	4	0
Potassium	ppm	ASTM D5185m	>20	1	0	2
Water	%	ASTM D6304	>0.1	0.020	0.039	0.021
ppm Water	ppm	ASTM D6304	>1000	206.2	393.4	216.0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A 1181 1 (485)	1/011:	4.OT1.4.D00.4-			0.011	

0.95

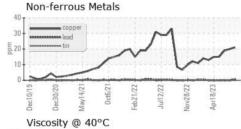
0.944

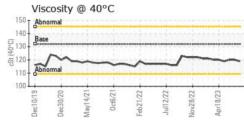
1.07

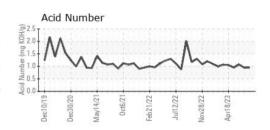


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Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0769128 : 05927318

: 10607265

Received Diagnosed Test Package : IND 2 (Additional Tests: KF)

: 18 Aug 2023 Diagnostician : Doug Bogart

: 17 Aug 2023

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)

MARATHON PETROLEUM CO.

101 12TH ST CATLETTSBURG, KY US 41169

Contact: CORY GUMBERT cagumbert@marathonpetroleum.com

> T: (606)585-3950 F: x: