

OIL ANALYSIS REPORT

Area Speedway [Speedway] Oil - Starboard Reduction Gear

Component Starboard Reduction Gear SAE 30W (85 GAL)

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Jd Ridout)

Wear

All component wear rates are normal.

Contamination

The water content is negligible. 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.



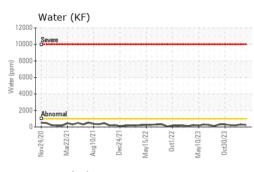


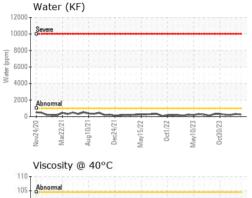
Sample Rating Trend

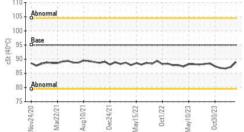
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0860048	WC0845772	WC0805526
Sample Date		Client Info		21 Feb 2024	23 Jan 2024	26 Dec 2023
Machine Age	hrs	Client Info		39378	38838	38448
Oil Age	hrs	Client Info		16826	16486	16096
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	32	15	16
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	1
Lead	ppm	ASTM D5185m	>100	0	<1	<1
Copper	ppm	ASTM D5185m	>50	13	6	7
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 38	history1 23	history2 21
	ppm ppm		limit/base			
Boron		ASTM D5185m	limit/base	38	23	21
Boron Barium	ppm	ASTM D5185m ASTM D5185m	limit/base	38 0	23 0	21 2
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	38 0 23	23 0 31	21 2 32
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	38 0 23 <1	23 0 31 <1	21 2 32 <1
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	38 0 23 <1 314	23 0 31 <1 487	21 2 32 <1 482
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	38 0 23 <1 314 1954	23 0 31 <1 487 1320	21 2 32 <1 482 1303
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	38 0 23 <1 314 1954 801	23 0 31 <1 487 1320 812	21 2 32 <1 482 1303 795
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	38 0 23 <1 314 1954 801 872	23 0 31 <1 487 1320 812 884	21 2 32 <1 482 1303 795 881
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		38 0 23 <1 314 1954 801 872 6286	23 0 31 <1 487 1320 812 884 4704	21 2 32 <1 482 1303 795 881 5259
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	38 0 23 <1 314 1954 801 872 6286 current	23 0 31 <1 487 1320 812 884 4704 history1	21 2 32 <1 482 1303 795 881 5259 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	limit/base	38 0 23 <1 314 1954 801 872 6286 current 5	23 0 31 <1 487 1320 812 884 4704 history1 4	21 2 32 <1 482 1303 795 881 5259 history2 4
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	limit/base	38 0 23 <1 314 1954 801 872 6286 current 5 2	23 0 31 <1 487 1320 812 884 4704 history1 4 1	21 2 32 <1 482 1303 795 881 5259 history2 4 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >50 >20	38 0 23 <1 314 1954 801 872 6286 <u>current</u> 5 2 2 0	23 0 31 <1 487 1320 812 884 4704 history1 4 1 <1	21 2 32 <1 482 1303 795 881 5259 history2 4 0 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >50 >20 >0.1	38 0 23 <1 314 1954 801 872 6286 <u>current</u> 5 2 0 0 0 0.025	23 0 31 <1 487 1320 812 884 4704 history1 4 1 <1 0.030	21 2 32 <1 482 1303 795 881 5259 history2 4 0 <1 0.020



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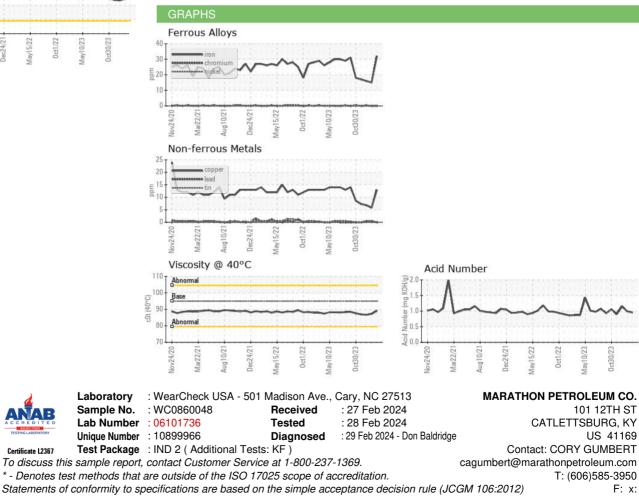


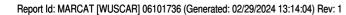




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	95.0	89.0	87.2	86.7
SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Color				• 00		

Bottom





Certificate L2367

Submitted By: M/V SPEEDWAY

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