

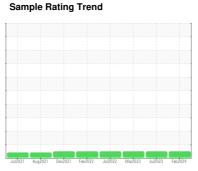
OIL ANALYSIS REPORT

Area Speedway [Speedway] Hydraulic - Flanking

Component

Hydraulic System

R&O OIL ISO 32 (75 GAL)





Recommendation

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

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. 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.

		Jul2021 A	ug2021 Dec2021 Feb202	22 Jul2022 Mar2023 Jul2023	Feb2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0860049	WC0735516	WC0719347
Sample Date		Client Info		21 Feb 2024	01 Jul 2023	16 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Filtered	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	14	18	21
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	<1
Lead	ppm	ASTM D5185m	>20	<1	0	<1
Copper	ppm	ASTM D5185m	>20	11	6	6
Tin	ppm	ASTM D5185m	>20	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	5	1	<1	<1
Calcium	ppm	ASTM D5185m	5	18	61	19
Phosphorus	ppm	ASTM D5185m	100	59	37	32
Zinc	ppm	ASTM D5185m	25	52	23	22
Sulfur	ppm	ASTM D5185m	1500	366	432	372
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	1
Sodium	ppm	ASTM D5185m		0	3	0
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water	%	ASTM D6304	>0.05	0.003	0.003	0.004
ppm Water	ppm	ASTM D6304	>500	27	29.4	46.6
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	597	928	435
Particles >6µm		ASTM D7647	>1300	74	144	74
Particles >14µm		ASTM D7647	>160	4	17	8
Particles >21µm		ASTM D7647	>40	1	6	4
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/13/9	17/14/11	16/13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	1/011/	ACTM DODAE	0.00	0.10	0.006	0.104

0.10

mg KOH/g ASTM D8045 0.08

Acid Number (AN)

0.086

0.124



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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: x: