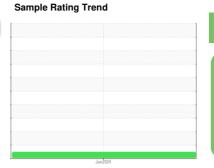


OIL ANALYSIS REPORT

38850 TRACE PO 37552 [38850] PAOTS0003-06112024TS3C

Hydraulic System

0001748229 CASTROL BRAYCO MICRONIC 889 (





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Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

NAS 1638 Class: 4, Discrete particle counts [100 ml] $5-15\mu m = 3523$, $15-25\mu m = 368$, $25-50\mu m = 55$, $50-100\mu m = 18$, $>100\mu m = 0$. The system cleanliness is acceptable for your target SAE AS4059 (replaces NAS 1638) cleanliness code. There is no indication of any contamination in the oil.

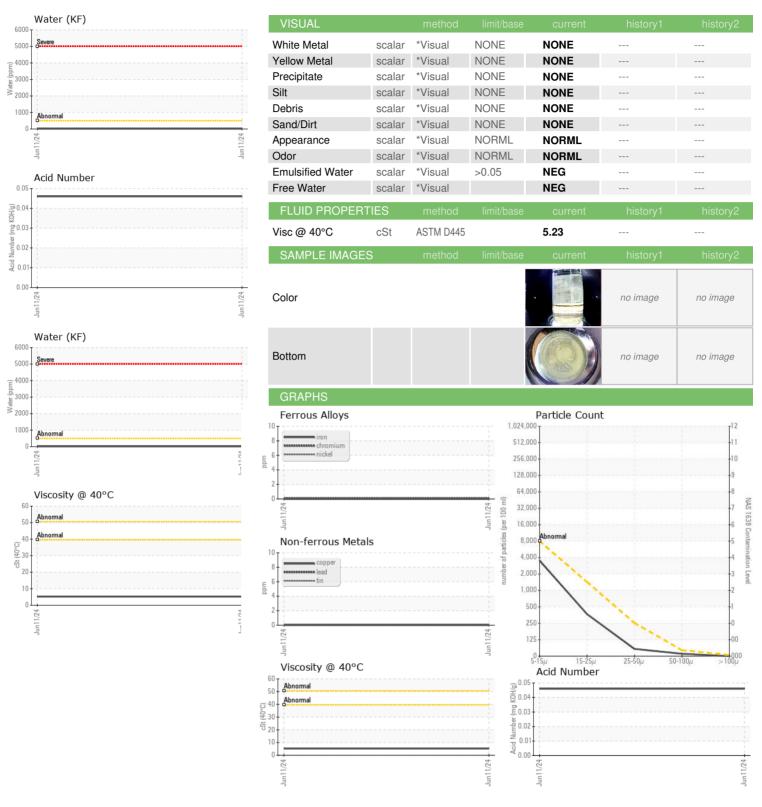
Fluid Condition

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

C 889 (GAL)				Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06209080		
Sample Date		Client Info		11 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	0		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		2		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		0		
Zinc	ppm	ASTM D5185m		<1		
Sulfur	ppm	ASTM D5185m		0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	11		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	3		
Water	%	ASTM D6304	>0.05	0.001		
ppm Water	ppm	ASTM D6304	>500	15		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles 5-15µm	count	*NAS 1638	>8000	3523		
Particles 15-25µm	count	*NAS 1638	>1425	368		
Particles 25-50µm	count	*NAS 1638	>253	55		
Particles 50-100µm	count	*NAS 1638	>45	18		
Particles >100µm	count	*NAS 1638	>8	0		
NAS 1638	Class	*NAS 1638	>5	4		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.046		



OIL ANALYSIS REPORT







Certificate 12367

Report Id: RIDHAM [WUSCAR] 06209080 (Generated: 06/22/2024 22:17:45) Rev: 1

Laboratory Sample No.

Lab Number

: WC06209080 : 06209080 Unique Number : 11076541

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 13 Jun 2024 : 19 Jun 2024 Diagnosed

: 19 Jun 2024 - Jonathan Hester

Test Package : IND 2 (Additional Tests: KF, PrtCountNAS) To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

RIDGE ENGINEERING 3987 HAMPSTEAD-MEXICO RD HAMPSTEAD, MD

US 21074 Contact: BETHANY HUGHES*

bethany@ridgeeng.com T:

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

Contact/Location: BETHANY HUGHES* - RIDHAM

F: