

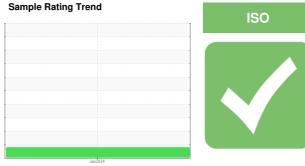
OIL ANALYSIS REPORT

38062 TRACE PO 36471 [38062] JP8TS0001-01092024A

Component

Turbine

832020 JP8 MIL-DTL-83133 (--- GAL)



Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil. The system cleanliness is above the acceptable limit for the target SAE AS4059 (replaces NAS 1638) cleanliness code.

Fluid Condition

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

				Jan2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06057099		
Sample Date		Client Info		09 Jan 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	0		
Chromium	ppm	ASTM D5185m	>4	0		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m		1		
Copper	ppm	ASTM D5185m	>5	<1		
Tin	ppm	ASTM D5185m	>5	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
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		3		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.03	0.004		
ppm Water	ppm	ASTM D6304	>300	44		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles 5-15µm	count	*NAS 1638	>8000	14579		
Particles 15-25µm	count	*NAS 1638	>1425	658		
Particles 25-50µm	count	*NAS 1638	>253	261		
Particles 50-100µm	count	*NAS 1638	>45	0		
Particles >100μm	count	*NAS 1638	>8	0		
NAS 1638	Class	*NAS 1638	>5	6		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.042		



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

: 06057099 : 10823048 **Unique Number**

: WC06057099

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 10 Jan 2024 Diagnosed : 15 Jan 2024 Diagnostician : Doug Bogart

Test Package : IND 2 (Additional Tests: KF, PrtCountNAS) 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.

RIDGE ENGINEERING

3987 HAMPSTEAD-MEXICO RD HAMPSTEAD, MD

US 21074

Contact: HEATHER ABELL*

heather@ridgeeng.com; dbogart@wearcheckusa.com

T: F:

Contact/Location: HEATHER ABELL* - RIDHAM

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