

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

FLIGHT SIMULATOR HAWKER 800

Hydraulic System Fluid SHELL TELLUS 68 (423 GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

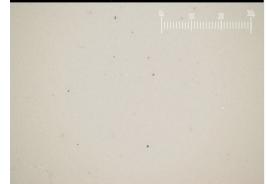
Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. 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.

Particle Filter (Magn: 200 x)



		Man	May2023 Jun2023 Sep2023			
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH0000190	PH0000544	PH0000528
Sample Date		Client Info		18 Sep 2023	26 Jun 2023	12 May 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	1	1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	11	34	36	28
Calcium	ppm	ASTM D5185m	39	24	27	27
Phosphorus	ppm	ASTM D5185m	260	236	255	240
Zinc	ppm	ASTM D5185m	279	299	318	276
Sulfur	ppm	ASTM D5185m	2109	1532	1835	1575
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>15	2	2	1
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	349	370	340
Particles >6µm		ASTM D7647	>320	104	120	94
Particles >14µm		ASTM D7647	>40	14	11	7
Particles >21µm		ASTM D7647	>10	5	2	2
Particles >38µm		ASTM D7647	>3	0	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/15/12	16/14/11	16/14/11	16/14/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.37	0.32	0.38	0.33



80

75 70 B (40°C) ઝ<u></u> 60

55

OIL ANALYSIS REPORT

scalar

scalar

scalar

*Visual

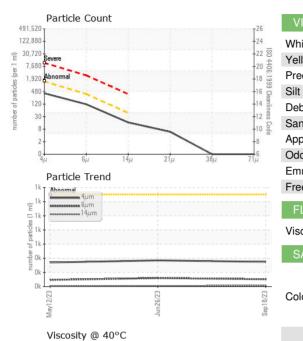
*Visual

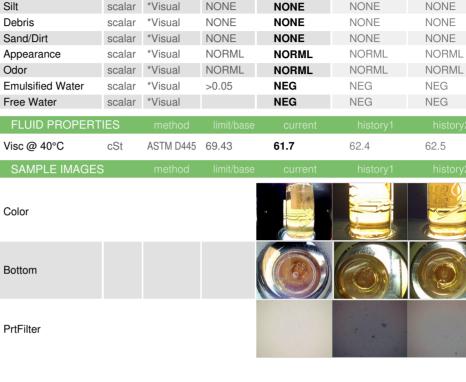
*Visua

NONE

NONE

NONE





NONE

NONE

NONE

NONE

NONE

NONE

NONE

NONE

NONE

Bottom

GRAPHS

Color

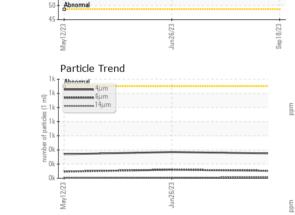
White Metal

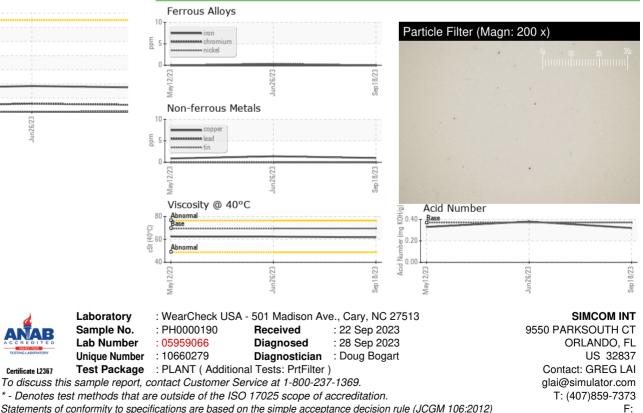
Yellow Metal

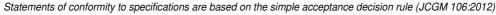
Precipitate

Debris

Odor







Certificate L2367