

OIL ANALYSIS REPORT

Sample Rating Trend



GE SITE 2 HP PUMP C (S/N 7) Component

Pump Fluid

SHELL MORLINA S4 B 68 (--- QTS)

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

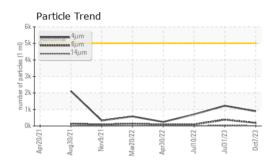
Fluid Condition

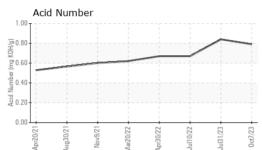
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

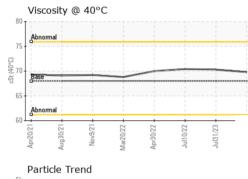
7X6P6997	70P)					
	/					
			aug2021 Nov2021 Mar20	22 Apr2022 Jul2022 Jul202	3 Oct2023	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0837880	WC0837873	WC0676014
Sample Date		Client Info		07 Oct 2023	31 Jul 2023	10 Jul 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info Client Info		0 N/A	0 N/A	0 N/A
Oil Changed Sample Status		Client Into			N/A NORMAL	N/A NORMAL
· ·			11 - 11/1	-	-	
WEAR METALS		method	limit/base	current	history1	history2
lron	ppm	ASTM D5185m	>90	<1	<1	0
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m ASTM D5185m	>3 >7	0	0 <1	<1
Lead	ppm	ASTM D5185m	>12	0	0	<1
Copper	ppm ppm	ASTM D5185m	>30	<1	<1	1
Tin	ppm	ASTM D5185m	>9	0	0	<1
Vanadium	ppm	ASTM D5185m	20	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		1	<1	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		260	274	261
Zinc	ppm	ASTM D5185m		0	1	0
Sulfur	ppm	ASTM D5185m		2558	2799	1930
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	2	2	2
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	889	1227	706
Particles >6µm		ASTM D7647	>1300	185	385	93
Particles >14µm		ASTM D7647	>160	13	32	6
Particles >21µm		ASTM D7647	>40	4	8	2
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm			>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11	17/16/12	17/14/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.79	0.84	0.67

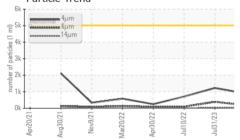


OIL ANALYSIS REPORT



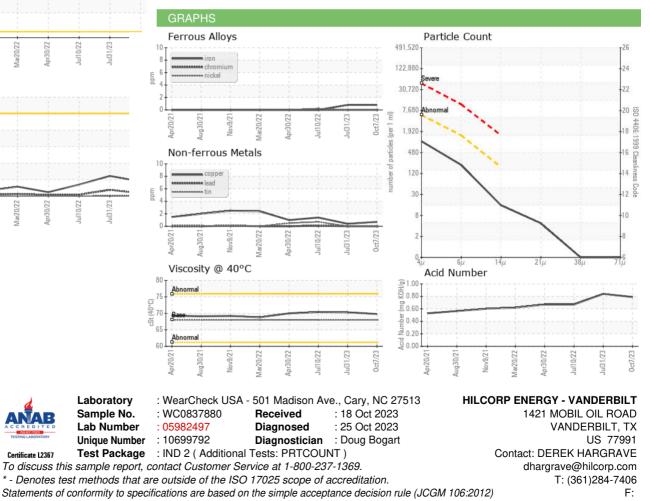






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.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	68	69.8	70.3	70.4
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						
				100		

Bottom



Contact/Location: DEREK HARGRAVE - HILVANWC