

OIL ANALYSIS REPORT

Area KEMP QUARRIES / HULBERT Machine Id OHT049

Component Hydraulic System

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

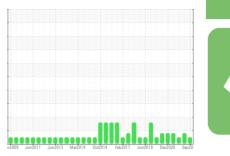
All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The condition of the fluid is acceptable for the time in service.



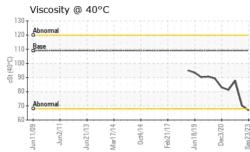
Sample Rating Trend

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		PCA0086124	PCA0061811	PCA0048864			
Sample Date		Client Info		23 Sep 2023	09 Dec 2022	12 Mar 2022			
Machine Age	hrs	Client Info		8820	7760	6320			
Oil Age	hrs	Client Info		0	0	0			
Oil Changed		Client Info		Changed	Not Changd	Changed			
Sample Status			NORMAL		ABNORMAL	NORMAL			
WEAR METAL	S	method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>20	21	4 6	4			
Chromium	ppm	ASTM D5185m	>10	0	1	0			
Nickel	ppm	ASTM D5185m	>10	2	4	0			
Titanium	ppm	ASTM D5185m		0	<1	<1			
Silver	ppm	ASTM D5185m		0	0	0			
Aluminum	ppm	ASTM D5185m	>10	2	2	1			
Lead	ppm	ASTM D5185m	>10	0	<1	<1			
Copper	ppm	ASTM D5185m	>75	8	5	3			
Tin	ppm	ASTM D5185m	>10	0	0	<1			
Antimony	ppm	ASTM D5185m							
Vanadium	ppm	ASTM D5185m		0	0	0			
Cadmium	ppm	ASTM D5185m		0	0	<1			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	0	<1	5	4			
Barium	ppm	ASTM D5185m	0	0	0	0			
Molybdenum	ppm	ASTM D5185m	0	6	20	3			
Manganese	ppm	ASTM D5185m		<1	<1	0			
Magnesium	ppm	ASTM D5185m	0	94	303	39			
Calcium	ppm	ASTM D5185m		200	507	2983			
Phosphorus	ppm	ASTM D5185m		431	572	983			
Zinc	ppm	ASTM D5185m		510	712	1170			
Sulfur	ppm	ASTM D5185m		1080	1801	3647			
CONTAMINAN	TS	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>20	10	18	4			
Sodium	ppm	ASTM D5185m		<1	<1	1			
Potassium	ppm	ASTM D5185m	>20	0	1	0			
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	VLITE			
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	>0.1	NEG	NEG	NEG			
Free Water	scalar	*Visual		NEG	NEG	NEG			

NORMAL



OIL ANALYSIS REPORT



	Visc	@ 40	°C		cSt	A	STM D	445	109	66.8			70.2			87.8		
	S	SAMPLE IMAGES method limit/ba						limit/bas	se	curre	ent		histor	y1	history2			
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