

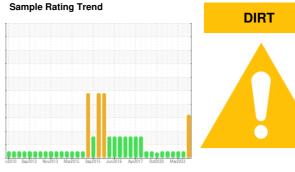
OIL ANALYSIS REPORT



KEMP QUARRIES / HULBERT **WL043**

Component **Hydraulic System**

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)



DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

🔺 Wear

The iron level is abnormal. All other component wear rates are normal.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

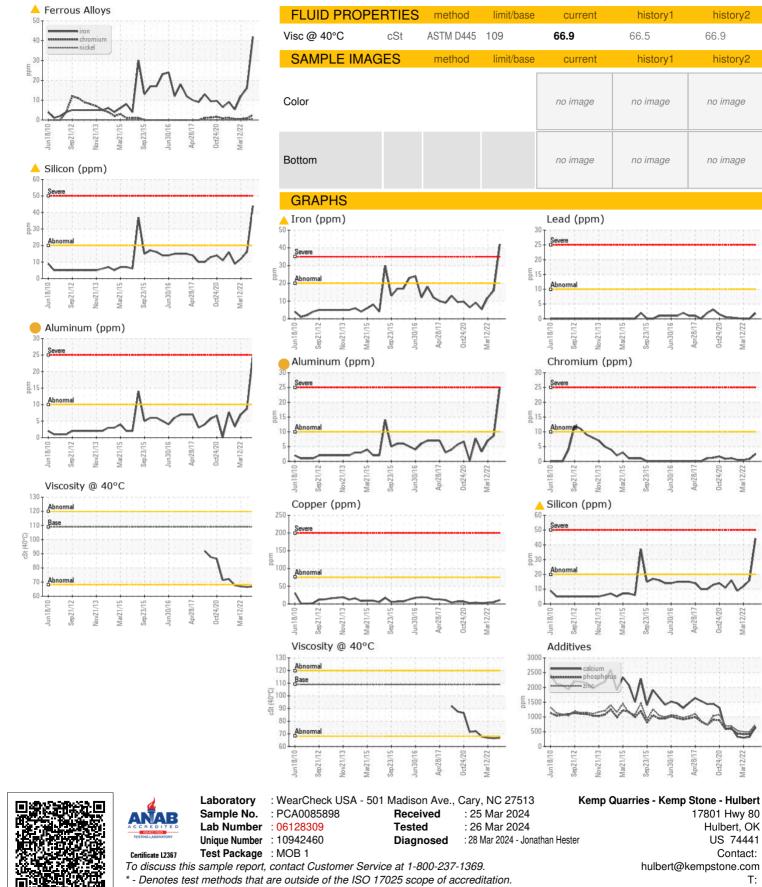
Fluid Condition

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

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0085898	PCA0086172	PCA0048860
Sample Date		Client Info		08 Mar 2024	07 Jan 2023	12 Mar 2022
Machine Age	nrs	Client Info		27117	46167	45671
Oil Age	nrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATIC	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron g	opm	ASTM D5185m	>20	42	16	12
1	· .	ASTM D5185m	>10	2	<1	<1
	opm	ASTM D5185m	>10	- <1	0	0
1	·	ASTM D5185m		2	<1	<1
	opm	ASTM D5185m		0	0	0
1	· .	ASTM D5185m	>10	2 5	9	7
	opm	ASTM D5185m	>10	2	0	0
	·	ASTM D5185m		11	5	4
	opm	ASTM D5185m	>10	2	<1	0
1	· .	ASTM D5185m	- 10			
	opm	ASTM D5185m		<1	0	0
	opm	ASTM D5185m		<1	0	0
I	-pill		11 11 11			
ADDITIVES		method	limit/base	current	history1	history2
	opm		0	<1	<1	4
	opm	ASTM D5185m	0	1	0	0
Molybdenum p	opm	ASTM D5185m	0	10	7	6
	opm	ASTM D5185m		1	<1	<1
Magnesium p	opm	ASTM D5185m	0	147	93	92
Calcium p	opm	ASTM D5185m		669	324	298
Phosphorus p	opm	ASTM D5185m		632	422	419
Zinc p	opm	ASTM D5185m		747	490	496
Sulfur p	opm	ASTM D5185m		1861	1320	958
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon p	opm	ASTM D5185m	>20	4 4	16	12
Sodium p	opm	ASTM D5185m		0	1	<1
Potassium p	opm	ASTM D5185m	>20	8	2	0
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
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 s	scalar	*Visual	NONE	NONE	NONE	NONE
	scalar	*Visual	NORML	NORML	NORML	NORML
Odor s	scalar	*Visual	NORML	NORML	NORML	NORML
	scalar	*Visual	>0.1	NEG	NEG	NEG
	scalar	*Visual		NEG	NEG	Subjected By
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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Aar17/77

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Contact:

Т:

F:

nr78/

history2

history2

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