

OIL ANALYSIS REPORT

→ Samp

Sample Rating Trend NORMAL

KEMP QUARRIES / HULBERT Machine Id OHT049

Component **Diesel Engine**

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 oil

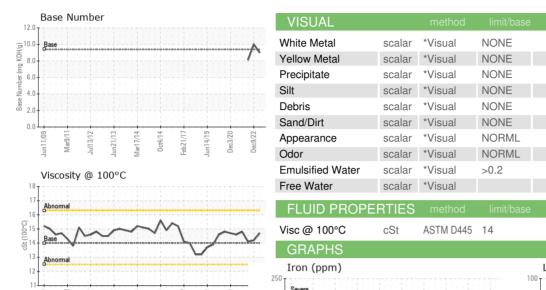
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

n2009 Mar2011 Jur2012 Jun2013 Mar2014 Oct2014 Feb2017 Jun2013 Occ2020 Occ2022						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0086130	PCA0061812	PCA0048866
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	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINATI	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	48	34	41
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	1	<1	1
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	0
Lead	ppm	ASTM D5185m	>40	4	<1	7
Copper	ppm	ASTM D5185m	>330	9	8	4 06
Tin	ppm	ASTM D5185m	>15	2	0	1
Antimony	ppm	ASTM D5185m				
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	<1	2	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	67	64	74
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	0	979	1024	925
Calcium	ppm	ASTM D5185m		1088	1150	1148
Phosphorus	ppm	ASTM D5185m		1031	1039	999
Zinc	ppm	ASTM D5185m		1247	1352	1360
Sulfur	ppm	ASTM D5185m		3046	3615	1862
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	19
Sodium	ppm	ASTM D5185m		14	4	69
Potassium	ppm	ASTM D5185m	>20	2	0	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.9	1.4	1.3
Nitration	Abs/cm	*ASTM D7624	>20	9.5	10.3	10.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	22.8	21.3
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	18.6	17.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	9.0	10.0	8.1
	0 - 0					



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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: PCA0086130 : 05969553 : 10676104

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 04 Oct 2023 Diagnosed

: 09 Oct 2023 : Sean Felton Diagnostician

Test Package : MOB 1 (Additional Tests: TBN)

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

Kemp Quarries - Kemp Stone - Hulbert

NONE

NONE

NONE

NONE

NONE

NONE

NONE

NONE

NONE

17801 Hwy 80 Hulbert, OK US 74441

Contact:

hulbert@kempstone.com T:

F: