

OIL ANALYSIS REPORT

Sample Rating Trend

J027 0c/022 Nov/027 0c/023 Jo/024 Mo/024 Mo/







Machine Id HBKM02BE Component Biogas Engine Fluid

SHELL MYSELLA S5 S (48 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0775491	WC0775492	WC0775484
Sample Date		Client Info		20 Jun 2024	10 Jun 2024	06 Jun 2024
Machine Age	hrs	Client Info		107444	107278	107197
Oil Age	hrs	Client Info		2	442	361
Oil Changed		Client Info		Changed	Oil Added	Oil Added
Sample Status				NORMAL	SEVERE	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		16	2 2	10
Iron	ppm	ASTM D5185m	>14	2	5	4
Chromium	ppm	ASTM D5185m	>3	0	<1	<1
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	2	3	3
Lead	ppm	ASTM D5185m	>8	0	<1	<1
Copper	ppm	ASTM D5185m	>5	<1	1	1
Tin	ppm	ASTM D5185m	>3	0	<u>4</u>	3
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		146	42	39
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	8	9
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		31	92	93
Calcium	ppm	ASTM D5185m		1492	1878	1823
Phosphorus	ppm	ASTM D5185m	300	475	513	518
Zinc	ppm	ASTM D5185m		550	662	651
Sulfur	ppm	ASTM D5185m		3984	4368	4338
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>180	30	165	141
Sodium	ppm	ASTM D5185m	>20	3	2	2
Potassium	ppm	ASTM D5185m	>20	2	1	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624		2.6	5.0	4.9
Sulfation	Abs/.1mm	*ASTM D7415		15.7	20.8	20.3



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number

: WC0775491 : 06219901 Unique Number: 11098098

Diagnosed Test Package : MOB 2 (Additional Tests: PQ)

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.

: 26 Jun 2024 - Sean Felton

: 25 Jun 2024

: 26 Jun 2024

Honey Brook Powerstation, 481 S. Churchtown Road Narvon, PA US 17555-9574

Contact: Christian Adames Christian.Adames@edlenergy.com

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

Received

Tested

T:

F: