

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL





Machine Id MACK AN64T 5593 (S/N 038870) Diesel Engine

SHELL ROTELLA T 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

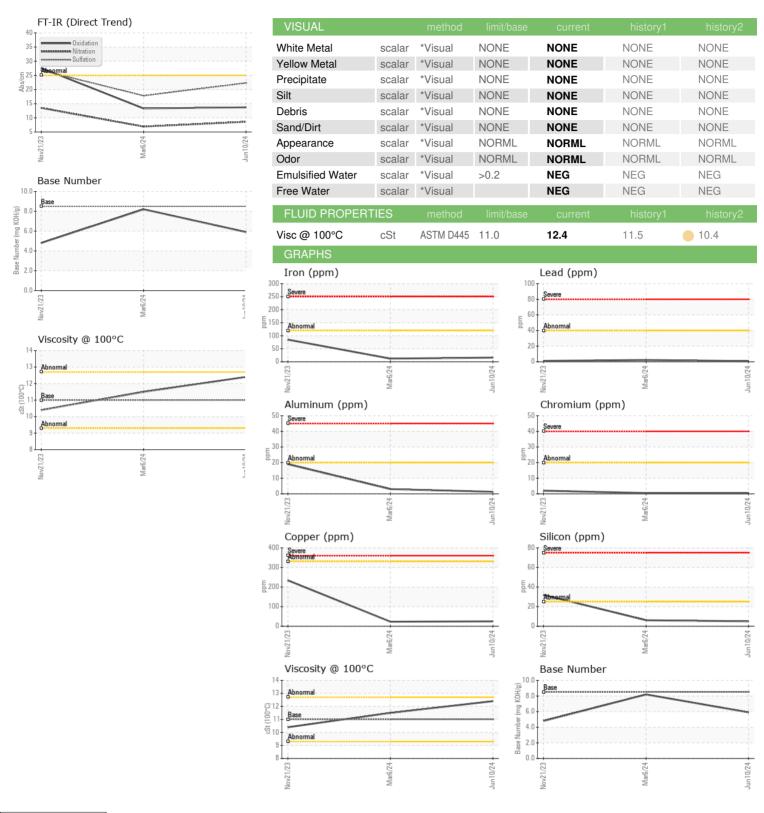
Fluid Condition

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

V30 (GAL)		No	v2023	Marž024 Junži	124	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917139	WC0878972	WC0850990
Sample Date		Client Info		10 Jun 2024	06 Mar 2024	21 Nov 2023
Machine Age	mls	Client Info		58497	38954	35826
Oil Age	mls	Client Info		0	0	12000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
-uel		WC Method	>3.0	<1.0	<1.0	0.5
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	16	12	85
Chromium	ppm	ASTM D5185m	>20	<1	<1	2
Nickel	ppm	ASTM D5185m	>5	2	1	4
Γitanium	ppm	ASTM D5185m	>2	0	<1	<1
Silver	ppm	ASTM D5185m	>2	<1	<1	<1
Aluminum	ppm	ASTM D5185m		1	3	19
_ead	ppm	ASTM D5185m	>40	<1	2	1
Copper	ppm	ASTM D5185m	>330	25	23	234
Γin	ppm	ASTM D5185m	>15	0	2	5
/anadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		2	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	269	0	5	19
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	21	41	116
Manganese	ppm	ASTM D5185m		2	1	6
Magnesium	ppm	ASTM D5185m	20	296	590	638
Calcium	ppm	ASTM D5185m		2129	1694	1678
Phosphorus	ppm	ASTM D5185m	948	938	1009	764
Zinc	ppm	ASTM D5185m	893	1134	1222	967
Sulfur	ppm	ASTM D5185m		3531	4086	2506
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	6	△ 32
Sodium	ppm	ASTM D5185m	00	4	1	2
Potassium	ppm	ASTM D5185m		7	8	63
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.5	0.2	1
			>20	0.0	6.9	13.5
Nitration	Abs/cm	*ASTM D7624		8.6		
	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415		22.3	17.8	26.8
Nitration	Abs/.1mm					
Nitration Sulfation	Abs/.1mm	*ASTM D7415	>30	22.3	17.8	26.8



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0917139 Lab Number : 06209506

Unique Number : 11076967 Test Package : MOB 1 (Additional Tests: TBN)

Received **Tested** Diagnosed

: 13 Jun 2024 : 17 Jun 2024

: 17 Jun 2024 - Don Baldridge To discuss this sample report, contact Customer Service at 1-800-237-1369.

3425 HWY 117N ROSE HILL, NC US 28458 Contact: GREG JONES gregory.jones@houseofraeford.com

JOHNSON BREEDERS

* - 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)

Contact/Location: GREG JONES - JOHROSNC

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