

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

1 - OIL FROM BOTTLE

Component Diesel Engine

SHELL ROTELLA T5 10W30 (CJ4) (--- GAL)

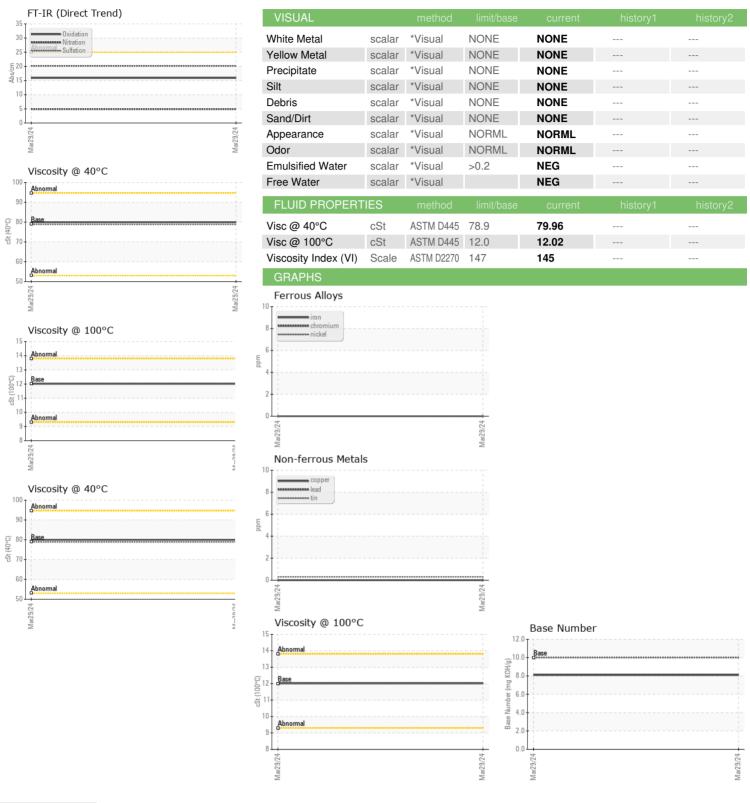
Recommendation

This is a baseline read-out on the submitted sample.

Sample Number Client Info WC0927620					Mar2024		
Client Info	SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Client Info	Sample Number		Client Info		WC0927620		
Machine Age hrs Client Info 0 Dil Age hrs Client Info 0 Dil Changed Client Info Not Changd Sample Status NORMAL CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0	•						
Dil Changed	•	hrs					
Contamped Client Info Not Change Companies Contamped C					_		
CONTAMINATION	•		Client Info		Not Changd		
Fuel	Sample Status						
WEAR METALS	CONTAMINATION	N .	method	limit/base	current	history1	history2
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 0 Chromium ppm ASTM D5185m >20 0 Nickel ppm ASTM D5185m >4 0 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >20 <1	Fuel		WC Method	>5	<1.0		
Chromium	Glycol		WC Method		NEG		
Description	WEAR METALS		method	limit/base	current	history1	history2
ASTM D5185m ASTM D5185m ASTM D5185m Dillower	ron	ppm	ASTM D5185m	>100	0		
Nicke ppm ASTM D5185m >4 0	Chromium	• •	ASTM D5185m	>20	0		
Description	Nickel		ASTM D5185m	>4	0		
ASTM D5185m Part	Γitanium		ASTM D5185m		0		
Aluminum	Silver		ASTM D5185m	>3	0		
Copper	Aluminum		ASTM D5185m	>20	<1		
ASTM D5185m D5185	_ead	ppm	ASTM D5185m	>40	0		
Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 0 0 Manganese ppm ASTM D5185m 21 Magnesium ppm ASTM D5185m 21 Phosphorus ppm ASTM D5185m 2080 Phosphorus ppm ASTM D5185m 1014 Phosphorus ppm ASTM D5185m 1126 Sulfur ppm ASTM D5185m >25 5 CONTAMINANTS method limit/base current history1 history2 Solicon ppm ASTM D5185m <td>Copper</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>330</td> <td>0</td> <td></td> <td></td>	Copper	ppm	ASTM D5185m	>330	0		
ADDITIVES	Γin	ppm	ASTM D5185m	>15	<1		
ADDITIVES	/anadium	ppm	ASTM D5185m		0		
Soron	Cadmium	ppm	ASTM D5185m		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 21 Magnesium ppm ASTM D5185m 2080 Calcium ppm ASTM D5185m 1014 Phosphorus ppm ASTM D5185m 1126 Zinc ppm ASTM D5185m 4018 Sulfur ppm ASTM D5185m >25 5 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 Potassium ppm ASTM D5185m >20 6 Vater % ASTM D6304 >0.2 NEG INFRA-RED method limit/base current history1 history2 Soot %	Boron	ppm	ASTM D5185m		197		
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 21 Calcium ppm ASTM D5185m 2080 Phosphorus ppm ASTM D5185m 1014 Zinc ppm ASTM D5185m 4018 Zinc ppm ASTM D5185m 4018 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 Codium ppm ASTM D5185m >20 6 Potassium ppm ASTM D5185m >20 6 Vater % ASTM D5185m >20 6 Potassium ppm ASTM D5185m >20 6 Potassium	Barium	ppm	ASTM D5185m	0	0		
Magnesium ppm ASTM D5185m 21 Calcium ppm ASTM D5185m 2080 Phosphorus ppm ASTM D5185m 1014 Zinc ppm ASTM D5185m 1126 Sulfur ppm ASTM D5185m 4018 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 Potassium ppm ASTM D5185m >20 6 Potassium ppm ASTM D5185m >20 6 Nater % ASTM D6304 >0.2 NEG Neg *ASTM D6304 >0.2 NEG Soot % % *ASTM D7844 >3 0 Sulfation <	Molybdenum	ppm	ASTM D5185m		0		
Calcium ppm ASTM D5185m 2080 Phosphorus ppm ASTM D5185m 1014 Zinc ppm ASTM D5185m 1126 Sulfur ppm ASTM D5185m 4018 CONTAMINANTS method limit/base current history1 history2 Soliicon ppm ASTM D5185m >25 5 Soliicon ppm ASTM D5185m >20 6 Potassium ppm ASTM D5185m >20 6 Vater % ASTM D6304 >0.2 NEG INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 4.9 Sulfation Abs/.1mm *ASTM D7414 >25 15.9	Manganese	ppm	ASTM D5185m		<1		
Phosphorus ppm ASTM D5185m 1014 Zinc ppm ASTM D5185m 1126 Sulfur ppm ASTM D5185m 4018 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 Sodium ppm ASTM D5185m >20 6 Potassium ppm ASTM D5185m >20 6 Vater % ASTM D6304 >0.2 NEG INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0 Soot % % *ASTM D7624 >20 4.9 Sulfation Abs/.1mm *ASTM D7414 >25 15.9 -	Magnesium	ppm	ASTM D5185m		21		
Table	Calcium	ppm	ASTM D5185m		2080		
Sulfur ppm ASTM D5185m 4018 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 Sodium ppm ASTM D5185m >20 6 Potassium ppm ASTM D5185m >20 6 Water % ASTM D6304 >0.2 NEG INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 0 Sulfation Abs/cm *ASTM D7624 >20 4.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.9	Phosphorus	ppm	ASTM D5185m		1014		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 5 Sodium ppm ASTM D5185m <1	Zinc	ppm	ASTM D5185m		1126		
Solition ppm ASTM D5185m >25 5	Sulfur	ppm	ASTM D5185m		4018		
Sodium	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 6 Water % ASTM D6304 >0.2 NEG INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 0 Vitration Abs/cm *ASTM D7624 >20 4.9 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 15.9	Silicon	ppm	ASTM D5185m	>25	5		
Water % ASTM D6304 >0.2 NEG INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0 Nitration Abs/cm *ASTM D7624 >20 4.9 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 15.9	Sodium	ppm	ASTM D5185m		<1		
INFRA-RED	Potassium	ppm	ASTM D5185m	>20	6		
Soot %	Nater	%	ASTM D6304	>0.2	NEG		
Nitration Abs/cm *ASTM D7624 >20 4.9 Sulfation Abs/.1mm *ASTM D7415 >30 20.1 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.9	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 20.1 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.9	Soot %	%	*ASTM D7844	>3	0		
FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 15.9	Nitration	Abs/cm	*ASTM D7624	>20	4.9		
Oxidation	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1		
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 10.0 8.1	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9		
	Base Number (BN)	mg KOH/g	ASTM D2896	10.0	8.1		



OIL ANALYSIS REPORT







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0927620 Lab Number : 06137848 Unique Number : 10962656

Received **Tested** Diagnosed : 03 Apr 2024

: 08 Apr 2024

: 08 Apr 2024 - Jonathan Hester

Test Package : FLEET (Additional Tests: KF, KV40, VI)

Certificate 12367 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. **ASAP TRUCK REPAIR LLC**

10 B GRAHAM DR ROCKDALE, IL US 60436

Contact: PETER BOGOJEVIC predrag@asaptruckrepair.com

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

Report Id: ASAROC [WUSCAR] 06137848 (Generated: 04/08/2024 13:25:34) Rev: 1

Contact/Location: PETER BOGOJEVIC - ASAROC

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