WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

Machine Id

**20602**Component

## Component Diesel Engine

Recommendation   Test   UoM   Method   Linkton   Client Info   Client Info   Sample Date   Client Info   Client	DIESEL ENGINE OIL SAE 15W40 ( QTS)							
Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please specify the pleas	RECOMMENDATION	Test	HOM	Method	I imit/∆hn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the bornouncer make and model with your next sample.   Sample Date   Machine Age   mls   Cilient Info   23073	Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the		OOW		LITTIU/ NOTI		-	_
Machine Age   mis   Cilent Info   23073      Machine Age   mis   Cilent Info   23073      Filter Age   mis   Cilent Info   23073      Cilent Info   23073   -		•						
Ol Age			mls			_		
Filter Age		•						
Collaboration   Collaboratio								
Filter Changed   Client Info   Changed   Cha		•						
Normal   N		-						
Chromium   ppm   ASTM DSISS   4   0		_				_		
Chromium   ppm   ASTM DSISS   4   0	WFAR	Iron	mag	ASTM D5185m	>100	8		
Nicke								
Titanium   ppm   ASTM D5185m   3 0								
Silver   ppm   ASTM D5185m   >20   0								
Aluminum   ppm   ASTM D5185m   >20   2					>3			
Lead   ppm   ASTM DS185m   340   0   0   0   0   0   0   0   0   0								
Copper								
Tin						-		
Vanadium   ppm   ASTM D5185m   NONE   NONE   White Metal   scalar   Visual   NONE   NONE   NONE   Water   Visual   NONE   NONE								
White Metal Yellow Metal Scalar   Visual NONE NONE   NON		Vanadium						
Scalar   Visual   NONE   NON					NONE	NONE		
Potassium   ppm   ASTM D5185m   >20   1		Yellow Metal		*Visual	NONE			
Potassium   ppm   ASTM D5185m   >20   1	CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4		
Full   Wo. Method   So.   2, 10		Potassium	ppm	ASTM D5185m	>20	1		
Glycol	There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0		
Soot %		Water		WC Method	>0.2	NEG		
Nitration   Abs/cm   "ASTM D7624   >20   8.0		Glycol		WC Method		NEG		
Sulfation   Abs/.tmm   *ASTM D7415   >30   21.2         Silt   scalar   *Visual   NONE   NONE         Debris   scalar   *Visual   NONE   NONE   NONE         Appearance   scalar   *Visual   NORML		Soot %	%	*ASTM D7844	>3	0.3		
Silt   scalar   *Visual   NONE   NONE       NONE		Nitration	Abs/cm	*ASTM D7624	>20	8.0		
Debris   Scalar   *Visual   NONE   NONE   Sand/Dirt   Scalar   *Visual   NONE   NONE   NONE   Sand/Dirt   Scalar   *Visual   NONE   NONE   Sand/Dirt   Scalar   *Visual   NORML   NORML   Scalar   *Visual   NORML   NORML   Scalar   *Visual   NORML   NORML   Scalar   *Visual   NORML   NORML   Scalar   *Visual   NORML   *Visual   NORML   *Visual   NORML   *Visual   NORML   *Visual   NORML   *Visual   *Vi		Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2		
Sand/Dirt   Scalar   *Visual   NONE   Appearance   Scalar   *Visual   NORML   NORML		Silt	scalar	*Visual	NONE	NONE		
Appearance   Odor   Scalar   *Visual   NORML   NORML		Debris	scalar	*Visual	NONE	NONE		
Calcium   Calc		Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water   scalar   *Visual   >0.2   NEG		Appearance	scalar	*Visual	NORML	NORML		
Sodium   ppm   ASTM D5185m   >158   2		Odor	scalar	*Visual	NORML	NORML		
Boron   ppm   ASTM D5185m   250   223		Emulsified Water	scalar	*Visual	>0.2	NEG		
Boron   ppm   ASTM D5185m   250   223	FLUID CONDITION	Sodium	ppm	ASTM D5185m	>158	2		
oil. The condition of the oil is suitable for further service.    Molybdenum   ppm   ASTM D5185m   100   72         Manganese   ppm   ASTM D5185m   450   478         Calcium   ppm   ASTM D5185m   3000   1364         Phosphorus   ppm   ASTM D5185m   1150   971         Zinc   ppm   ASTM D5185m   1350   1144         Sulfur   ppm   ASTM D5185m   4250   3473         Oxidation   Abs/.1mm   *ASTM D7414   >25   15.3         Base Number (BN)   mg KOH/g   ASTM D2896   8.5   6.4	The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m	250	223		
Molybdenum ppm ASTM D5185m 100 72 Manganese ppm ASTM D5185m 450 478 Calcium ppm ASTM D5185m 100 1364 Zinc ppm ASTM D5185m 1350 1144 Sulfur ppm ASTM D5185m 1350 1144 Sulfur ppm ASTM D5185m 4250 3473 Oxidation Abs/.1mm *ASTM D5185m 4250 3473 Base Number (BN) mg KOH/g ASTM D2896 8.5 6.4				ASTM D5185m	10			
Magnesium         ppm         ASTM D5185m         450         478             Calcium         ppm         ASTM D5185m         3000         1364             Phosphorus         ppm         ASTM D5185m         1150         971             Zinc         ppm         ASTM D5185m         1350         1144             Sulfur         ppm         ASTM D5185m         4250         3473             Oxidation         Abs/.1mm         *ASTM D7414         >25         15.3             Base Number (BN)         mg KOH/g         ASTM D2896         8.5         6.4		Molybdenum	ppm	ASTM D5185m	100	72		
Magnesium         ppm         ASTM D5185m         450         478             Calcium         ppm         ASTM D5185m         3000         1364             Phosphorus         ppm         ASTM D5185m         1150         971             Zinc         ppm         ASTM D5185m         1350         1144             Sulfur         ppm         ASTM D5185m         4250         3473             Oxidation         Abs/.1mm         *ASTM D7414         >25         15.3             Base Number (BN)         mg KOH/g         ASTM D2896         8.5         6.4		Manganese		ASTM D5185m				
Calcium         ppm         ASTM D5185m         3000         1364             Phosphorus         ppm         ASTM D5185m         1150         971             Zinc         ppm         ASTM D5185m         1350         1144             Sulfur         ppm         ASTM D5185m         4250         3473             Oxidation         Abs/.1mm         *ASTM D7414         >25         15.3             Base Number (BN)         mg KOH/g         ASTM D2896         8.5         6.4		Magnesium		ASTM D5185m	450			
Phosphorus         ppm         ASTM D5185m         1150         971             Zinc         ppm         ASTM D5185m         1350         1144             Sulfur         ppm         ASTM D5185m         4250         3473             Oxidation         Abs/.1mm         *ASTM D7414         >25         15.3             Base Number (BN)         mg KOH/g         ASTM D2896         8.5         6.4		_						
Zinc         ppm         ASTM D5185m         1350         1144             Sulfur         ppm         ASTM D5185m         4250         3473             Oxidation         Abs/.1mm         *ASTM D7414         >25         15.3             Base Number (BN)         mg KOH/g         ASTM D2896         8.5         6.4		Phosphorus		ASTM D5185m	1150	971		
Sulfur         ppm         ASTM D5185m         4250         3473             Oxidation         Abs/.1mm         *ASTM D7414         >25         15.3             Base Number (BN)         mg KOH/g         ASTM D2896         8.5         6.4		Zinc		ASTM D5185m	1350			
Oxidation         Abs/.1mm         *ASTM D7414         >25         15.3             Base Number (BN)         mg KOH/g         ASTM D2896         8.5         6.4		Sulfur	ppm	ASTM D5185m	4250	3473		
		Oxidation	Abs/.1mm			15.3		
Visc @ 100°C cSt ASTM D445 14.4 13.1		Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.4		
		Visc @ 100°C	cSt	ASTM D445	14.4	13.1		







Certificate L2367

Laboratory Sample No.

: WC0903157 Lab Number : 06196526 Unique Number : 11058649 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 31 May 2024 **Tested** : 03 Jun 2024

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

Diagnosed : 03 Jun 2024 - Wes Davis

SALEM NATIONALEASE CORPORATION

198 PARK PLAZA DRIVE WINSTON SALEM, NC US 27105

Contact: Audrey Hopkins Audrey.Hopkins@salemcorp.com

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.

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