

Machine Id **CATERPILLAR 552 FELLER 16-04 (S/N CAT00552PFG00199)** Component **Diesel Engine** Fluid

TRC PRO-SPEC V SYN BLEND 15W40 (9 GAL)

ING FNU-SFEC V STN DLEND 150040 (9 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06177398		
	Sample Date		Client Info		16 Apr 2024		
	Machine Age	hrs	Client Info		6369		
	Oil Age	hrs	Client Info		285		
	Filter Age	hrs	Client Info		285		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAD	Iron		ASTM D5185m	. 100	44		
WEAR	Iron Chromium	ppm ppm	ASTM D5185m		11 <1		
All component wear rates are normal.	Nickel		ASTM D5185m		0		
	Titanium	ppm ppm	ASTM D5185m		<1		
	Silver		ASTM D5185m		0		
	Aluminum	ppm ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		 <1		
	Copper	ppm	ASTM D5185m		1		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	1.0	<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		3		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		3		
	Fuel		WC Method		<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method	0	NEG		
	Soot %	%	*ASTM D7844		0.7		
	Nitration	Abs/cm	*ASTM D7624	>20	8.0		
	Sulfation	Abs/.1mm	*ASTM D7415		19.3		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual *Visual	NONE NORML	NONE NORML		
	Appearance Odor	scalar scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
		304141	Visual	20.2			
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0		
	Boron	ppm	ASTM D5185m		0		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		1		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		9		
	Calcium	ppm	ASTM D5185m		2671		
	Phosphorus	ppm	ASTM D5185m		1164		
	Zinc	ppm	ASTM D5185m		1198		
	Sulfur	ppm	ASTM D5185m		4636		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	11.3		
	Base Number (BN)	0 0	ASTM D2896		8.19		
	Vice @ 100°C	~C+	ACTM D44E		444	1	

Visc @ 100°C cSt

ASTM D445

14.1



KASKI LOGGING Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 22411 HE CEDAR CREEK RD : TR06177398 : 13 May 2024 Lab Number : 06177398 Tested AMBOY, WA : 14 May 2024 Diagnosed Unique Number : 11023451 : 15 May 2024 - Don Baldridge US 98601 Test Package : MOB 2 Contact: NATHAN BYRD Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-827-0711. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F:

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

Contact/Location: NATHAN BYRD - KASAMB Page 2 of 2