OIL ANALYSIS REPORT

WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

Machine Id

ICE UNIT V-327/E2 Component Propane Engine

VALVOLINE BLUE HEAVY DUTY 15W40 (10 QTS)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMINIENDATION	Sample Number	UUIVI	Client Info	LIIIII/AUN	TR06146077		HISTORY2
Resample at the next service interval to monitor.	Sample Date		Client Info		06 Mar 2024		
	Machine Age	hrs	Client Info		2356		
	Oil Age	hrs	Client Info		419		
	Filter Age	hrs	Client Info		419		
	Oil Changed	0	Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m		37		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		2		
	Nickel	ppm	ASTM D5185m	>5	3		
	Titanium	ppm	ASTM D5185m	_	<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		5		
	Lead	ppm	ASTM D5185m		12		
	Copper Tin	ppm	ASTM D5185m ASTM D5185m		3		
	Vanadium	ppm	ASTM D5185m	>0	ა <1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	28		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	3		
	Water		WC Method	>0.1	NEG		
	Soot %	%	*ASTM D7844		0		
	Nitration	Abs/cm	*ASTM D7624	>20	14.5		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	26.6		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		9		
	Boron	ppm	ASTM D5185m		35		
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		87		
	Manganese	ppm	ASTM D5185m		2		
	Magnesium	ppm	ASTM D5185m		844		
	Calcium	ppm	ASTM D5185m		1961		
	Phosphorus	ppm	ASTM D5185m		932		
	Zinc	ppm	ASTM D5185m		1054		
	Sulfur	ppm	ASTM D5185m		2914		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	27.7		
	Base Number (BN)	mg KOH/g	ASTM D2896		8.22		
	Visc @ 100°C	cSt	ASTM D445		15.6		





Certificate L2367

Laboratory Sample No.

Lab Number : 06146077

: TR06146077 Unique Number: 10976155 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Apr 2024 **Tested** : 12 Apr 2024

: 15 Apr 2024 - Don Baldridge Diagnosed

SHELTON SERVICES

614 N 1ST ST LA PORTE, TX US 77571

Contact: NORMAN MASSON

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.

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

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