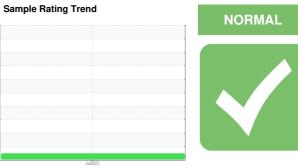


# **OIL ANALYSIS REPORT**

# PACHENA FISHING **ISUZU 1**

Component
Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- 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

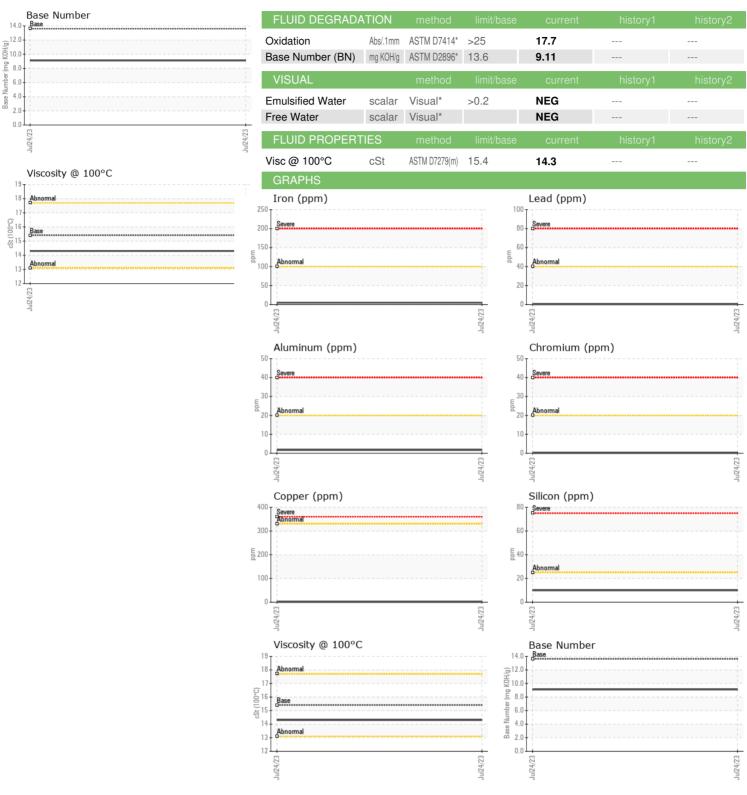
### **Fluid Condition**

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

Sample Number   Client Info   OF0000909	10 ( GAL)				Jul2023		
Sample Date   Client Info   24 Jul 2023	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Date   Client Info   24 Jul 2023	Sample Number		Client Info		OF0000909		
Oil Age         hrs         Client Info         350			Client Info		24 Jul 2023		
Contamped   Client Info   Not Changed   Normal   Contamped   Normal   Contamped   Normal   Contamped   Client Info   Normal   Contamped   Client Info   Normal   Contamped   Client Info   Normal   Contamped   Client Info   Contamped   Client Info   Client Info   Contamped   Client Info   Client	Machine Age	hrs	Client Info		0		
CONTAMINATION	Oil Age	hrs	Client Info		350		
CONTAMINATION	Oil Changed		Client Info		Not Changd		
Fuel	Sample Status				NORMAL		
WEAR METALS	CONTAMINATION		method	limit/base	current	history1	history2
WEAR METALS	Fuel		WC Method	>5	<1.0		
Chromium	Glycol		WC Method		NEG		
Chromium	WEAR METALS		method	limit/base	current	history1	history2
Nickel	ron	ppm	ASTM D5185(m)	>100	5		
Nickel	Chromium	• •	. ,	>20	<1		
Description	Nickel						
Soliver	Titanium		. ,		0		
Aluminum	Silver		. ,	>3	0		
Lead	Aluminum		. ,	>20	2		
Copper	Lead		, ,	>40	<1		
Antimony	Copper		ASTM D5185(m)	>330	1		
Antimony			ASTM D5185(m)	>15	<1		
Vanadium         ppm         ASTM D5185(m)         0             Beryllium         ppm         ASTM D5185(m)         0             Cadmium         ppm         ASTM D5185(m)         0             Boron         ppm         ASTM D5185(m)         221             Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         238             Manganese         ppm         ASTM D5185(m)         21             Magnesium         ppm         ASTM D5185(m)         788             Calcium         ppm         ASTM D5185(m)         871             Phosphorus         ppm         ASTM D5185(m)         977             Sulfur         ppm         ASTM D5185(m)         2421             Sulfur         ppm         ASTM D5185(m)         22             CONTAMINANTS         method         limit/base         current         history1<	Antimony		ASTM D5185(m)		0		
Description	Vanadium				0		
Cadmium         ppm         ASTM D5185(m)         0             ADDITIVES         method         limit/base         current         history1         history           Boron         ppm         ASTM D5185(m)         221             Barium         ppm         ASTM D5185(m)         0             Molybdenum         ppm         ASTM D5185(m)         238             Manganese         ppm         ASTM D5185(m)         788             Magnesium         ppm         ASTM D5185(m)         788             Calcium         ppm         ASTM D5185(m)         1349             Phosphorus         ppm         ASTM D5185(m)         871             Zinc         ppm         ASTM D5185(m)         977             Sulfur         ppm         ASTM D5185(m)         2421             Lithium         ppm         ASTM D5185(m)         >25         10             Solicon         ppm         ASTM D5185(m)         >2	Beryllium		. ,		0		
Boron	•		, ,		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum	Boron	ppm	ASTM D5185(m)		221		
Manganese         ppm         ASTM D5185(m)         <1             Magnesium         ppm         ASTM D5185(m)         788             Calcium         ppm         ASTM D5185(m)         1349             Phosphorus         ppm         ASTM D5185(m)         871             Zinc         ppm         ASTM D5185(m)         977             Sulfur         ppm         ASTM D5185(m)         2421             Lithium         ppm         ASTM D5185(m)         <1	Barium	ppm	ASTM D5185(m)		0		
Magnesium         ppm         ASTM D5185(m)         788             Calcium         ppm         ASTM D5185(m)         1349             Phosphorus         ppm         ASTM D5185(m)         871             Zinc         ppm         ASTM D5185(m)         977             Sulfur         ppm         ASTM D5185(m)         2421             Lithium         ppm         ASTM D5185(m)         <1	Molybdenum	ppm	ASTM D5185(m)		238		
Calcium         ppm         ASTM D5185(m)         1349             Phosphorus         ppm         ASTM D5185(m)         871             Zinc         ppm         ASTM D5185(m)         977             Sulfur         ppm         ASTM D5185(m)         2421             Lithium         ppm         ASTM D5185(m)         <1	Manganese	ppm	ASTM D5185(m)		<1		
Calcium         ppm         ASTM D5185(m)         1349             Phosphorus         ppm         ASTM D5185(m)         871             Zinc         ppm         ASTM D5185(m)         977             Sulfur         ppm         ASTM D5185(m)         2421             Lithium         ppm         ASTM D5185(m)         <1	-	ppm	ASTM D5185(m)		788		
Phosphorus         ppm         ASTM D5185(m)         871             Zinc         ppm         ASTM D5185(m)         977             Sulfur         ppm         ASTM D5185(m)         2421             Lithium         ppm         ASTM D5185(m)         <1             CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185(m)         >25         10             Sodium         ppm         ASTM D5185(m)         22             Potassium         ppm         ASTM D5185(m)         >20         <1             INFRA-RED         method         limit/base         current         history1         history1           Soot %         %         ASTM D7844*         >3         0             Nitration         Abs/cm         ASTM D7624*         >20         8.5	Calcium				1349		
Zinc   ppm   ASTM D5185(m)   977       Sulfur   ppm   ASTM D5185(m)   2421	Phosphorus		, ,		871		
Sulfur   ppm   ASTM D5185(m)   2421         Lithium   ppm   ASTM D5185(m)   <1         CONTAMINANTS   method   limit/base   current   history1   history   Silicon   ppm   ASTM D5185(m)   >25   10         Sodium   ppm   ASTM D5185(m)   2         Potassium   ppm   ASTM D5185(m)   >20   <1         INFRA-RED   method   limit/base   current   history1   history   Soot %   ASTM D7844*   >3   0         Nitration   Abs/cm   ASTM D7624*   >20   8.5	Zinc		ASTM D5185(m)		977		
CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185(m)         >25         10             Sodium         ppm         ASTM D5185(m)         2             Potassium         ppm         ASTM D5185(m)         >20         <1	Sulfur						
Silicon   ppm   ASTM D5185(m)   >25   10	Lithium				<1		
Sodium         ppm         ASTM D5185(m)         2             Potassium         ppm         ASTM D5185(m)         >20         <1             INFRA-RED         method         limit/base         current         history1         history           Soot %         %         ASTM D7844*         >3         0             Nitration         Abs/cm         ASTM D7624*         >20         8.5	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185(m)         >20         <1             INFRA-RED         method         limit/base         current         history1         history           Soot %         %         ASTM D7844*         >3         0             Nitration         Abs/cm         ASTM D7624*         >20         8.5	Silicon	ppm	ASTM D5185(m)	>25	10		
INFRA-RED         method         limit/base         current         history1         history           Soot %         %         ASTM D7844*         >3         0             Nitration         Abs/cm         ASTM D7624*         >20         8.5	Sodium	ppm	ASTM D5185(m)		2		
Soot %         %         ASTM D7844*         >3         0             Nitration         Abs/cm         ASTM D7624*         >20         8.5	Potassium		ASTM D5185(m)	>20	<1		
Nitration   Abs/cm   ASTM D7624*   >20   <b>8.5</b>	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	ASTM D7844*	>3	0		
	Nitration	Abs/cm	ASTM D7624*	>20	8.5		
Sulfation ADS/.IMM ASIM.D/415" >30 <b>23.4</b>	Sulfation	Abs/.1mm	ASTM D7415*	>30	23.4		



## **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number Test Package : MOB 2

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : OF0000909 : 02580622

: 5633682

Received Diagnosed Diagnostician

: 06 Sep 2023 : 06 Sep 2023 : Wes Davis

Oil Filtration Solutions Ltd. PO BOX 16125 CONCEPTION BAY SOUTH, NL

CA A1X 2E2

Contact: BILL BUTLER BBUTLER@OILFILTRATIONSOLUTIONS.COM

T: (709)834-8433

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied. F: (709)834-8435

Contact/Location: BILL BUTLER - FILCON