

PPP WPB
LEWIS PONZINI
272 N.W. FLAGLER AVE
STUART, FL 34994

COMPANY NAME : PPP WPB SERVICE
CUSTOMER EQUIP NUM : STBD
COMPARTMENT NAME : RADIATOR STARBOARD
SERIAL NUMBER : RXB02215_D260
MANUFACTURER : CATERPILLAR
MODEL : C32
JOB SITE : DREAM WEAVER
EXT WARR NUMBER :
FAX: 772-692-9757
PHONE: 772-692-3442
SAMPLE COOLANT - RAD_1
SAMPLE SHIP TIME (days) 2

SHOP JOB NUM : SC113562
COMP SERIAL NUM :
COMPARTMENT MODEL
COMP MANUFACTURER
SAMPLE LABEL NUM :
FLUID BRAND/WEIGHT :
FLUID TYPE :
EXT WARR EXPIRE DATE :

**PANTROPIC
POWER**

8205 NW 58th Street
Miami, FL 33166
(305) 477-3329
<http://www.pantropic.com/>

CAT

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID
D260-50080-1745	18-Mar-2020	20-Mar-2020	5905 HR		Unknown		
THE COOLANT SAMPLE IS COLORLESS AND CONTAINS VISIBLE MAGNETIC SOLIDS WHICH MAY INDICATE LOCALIZED HOT SPOTS IN THE COOLING SYSTEM. GLYCOL CONCENTRATION IS TOO WEAK TO PROVIDE ADEQUATE FREEZE AND BOIL PROTECTION. RECOMMEND TO DRAIN COOLANT, FLUSH AND REPLENISH WITH FRESH NEW COOLANT. RESAMPLE IN 125 HOURS TO MONITOR							
Monitor Compartment							

Metals (ppm)	Al	Cu	Fe	Pb	K	Na	Sn	Zn	BP	FP	GL	pH	CON
D260-50080-1745	1	0	4	0	16	963	1	0	101	-8	16	8.3	2015

Other	NO2	Odor	Color	App	Foam	FP	Paint	PProp	CType
D260-50080-1745	410	norm	colorless/	clear	norm	-8	moderate	mug	conv

Al = Aluminum, Cu = Copper, Fe = Iron, K = Potassium, Na = Sodium, Pb = Lead, Sn = Tin, V = Vanadium, Zn = Zinc, B03 = Borate, CaC = Ca as CaCO3, MgC = Mg as CaCO3, MoO4 = Molybdate, PO4 = Phosphate, SiO3 = Silicate, TH = Total Hardness, Cl = Chloride, CO3 = Carbonate, GLO = Glycolate, NO2 = Nitrite, NO3 = Nitrate, PO4 = Phosphate, SAC = Sulfate, TT = Tritylazole, BP = Boil Point(C), FP = Freeze Point(C), GL = Glycol, CON = Conductivity, App = Appearance, Paint = Precipitate Amount, PProp = Precipitate Appearance, PO4 = Precipitate Color, PProp = Precipitate Property, CType = Coolant Type
Note: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.

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SAMPLE OIL

SAMPLE SHIP TIME (days) 3

COMPANY NAME : PPP WPB SERVICE

CUSTOMER EQUIP NUM RXB02215

COMPARTMENT NAME : ENGINE MARINE STARBOARD

SERIAL NUMBER : RXB02215.D260

MANUFACTURER : CATERPILLAR

MODEL : C32

JOB SITE : DREAM WEAVER

EXT WARR NUMBER :

SHOP JOB NUM : SC113562

COMP SERIAL NUM :

COMPARTMENT MODEL

COMP MANUFACTURER

SAMPLE LABEL NUM :

FLUID BRAND/WEIGHT : 15W-40

FLUID TYPE :

EXT WARR EXPIRE DATE :

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PAT

LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID	FILTER CHANGED
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D260-50080-0060	17-Mar-2020	20-Mar-2020	5903 HR		No			No
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NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.								
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No Action Required								
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D260-50042-0083	04-Feb-2020	11-Feb-2020	5899 HR		Yes			Yes
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SODIUM APPEARS TO BE ASSOCIATED WITH OIL FORMULA / SUPPLEMENTAL ADDITIVES, OTHER CMPS, GREASES, ETC. ALL OTHER ANALYSIS READINGS APPEAR TO BE WITHIN ACCEPTABLE LIMITS. THE OIL AND FILTER WERE CHANGED. CONTINUE SAMPLING AT THE REGULAR INTERVAL.								
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No Action Required								
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Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ag	Ca	Mg	Zn	P
D260-50080-0060	0	2	0	1	1	0	6	0	0	47	0	0	1723	659	1190	980
D260-50042-0083	1	4	0	1	0	0	4	101	1	12	0	0	3051	440	1212	1066

Oil Condition / Particle Count (ct/ml)	ST	OXI	NTT	SUL	W	A	F	VI100
D260-50080-0060	0	20	5	23	N	N	N	13.4
D260-50042-0083	0	9	6	17	N	N	N	15.0

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, Ni = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, V = Vanadium, Zn = Zinc, A = Antineza, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NTT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PQL = Particle Quantifying Index, NAW = Salt Water, FL P = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, H2O = Karl Fisher result, VI100 = Viscosity@100C, V40 = Viscosity@40C

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SAMPLE OIL
SAMPLE SHIP TIME (days) 2

COMPANY NAME : PPP WPB SERVICE
CUSTOMER EQUIP NUM : RXB02215
COMPARTMENT NAME : ENGINE MARINE STARBOARD
SERIAL NUMBER : RXB02215.D260
MANUFACTURER : CATERPILLAR
MODEL : C32
JOB SITE : DREAM WEAVER
EXT WARR NUMBER :
SHOP JOB NUM : SC113562
COMP SERIAL NUM :
COMPARTMENT MODEL :
COMP MANUFACTURER :
SAMPLE LABEL NUM :
FLUID BRAND/WEIGHT : 15W-40
FLUID TYPE :
EXT WARR EXPIRE DATE :
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LAB CONTROL NUMBER	SAMPLE DATE	PROCESS DATE	EQUIPMENT METER	METER ON FLUID	FLUID CHANGED	MAKE UP FLUID	MAKE UP FLUID	FILTER CHANGED
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D260-50080-0061	18-Mar-2020	20-Mar-2020	5905 HR	2 HR	No			No
SILICON IS ELEVATED AND MAY COME FROM SEALANTS, GASKETS, GREASES AND/OR COMPOUNDS USED IN ASSEMBLY OR REPAIRS. ALL OTHER ANALYSIS READINGS APPEAR TO BE WITHIN ACCEPTABLE LIMITS. RESAMPLE IN 125 HOURS TO MONITOR.								

D260-50080-0060	17-Mar-2020	20-Mar-2020	5903 HR		No			No
NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.								

D260-50042-0083	04-Feb-2020	11-Feb-2020	5899 HR	10 HR	Yes			Yes
SODIUM APPEARS TO BE ASSOCIATED WITH OIL FORMULA / SUPPLEMENTAL ADDITIVES. OTHER CMPDS, GREASES, ETC. ALL OTHER ANALYSIS READINGS APPEAR TO BE WITHIN ACCEPTABLE LIMITS. THE OIL AND FILTER WERE CHANGED. CONTINUE SAMPLING AT THE REGULAR INTERVAL.								

Wear Metals (ppm)	Cu	Fe	Cr	Al	Pb	Sn	Si	Na	K	Mo	Ni	Ag	Ca	Mg	Zn	P
D260-50080-0061	3	6	1	2	3	2	17	2	0	42	0	0	1567	564	1063	872
D260-50080-0060	0	2	0	1	1	0	6	0	0	47	0	0	1723	659	1190	980
D260-50042-0083	1	4	0	1	0	0	4	101	1	12	0	0	3051	440	1212	1068

Oil Condition / Particle Count (ct/ml)	ST							V100		
	ST	OXI	NIT	SUL	W	A	F			
D260-50080-0061	0	22	6	24	N	N	N	12.9		
D260-50080-0060	0	20	5	23	N	N	N	13.4		
D260-50042-0083	0	9	6	17	N	N	N	15.0		

Ag = Silver, Al = Aluminum, B = Boron, Ca = Calcium, Cr = Chromium, Cu = Copper, Fe = Iron, P = Phosphorus, K = Potassium, Mg = Magnesium, Mo = Molybdenum, Na = Sodium, N = Nickel, Pb = Lead, Si = Silicon, Sn = Tin, V = Vanadium, Zn = Zinc, A = Antineutrino, F = Fuel, W = Water, P = Positive, N = Negative, T = Trace, E = Excessive, NIT = Nitration, OXI = Oxidation, ST = Soot, SUL = Sulfation, ISO = ISO Rating, PFC = Percent Fuel Content, PCL = Particle Counting Index, NAW = Salt Water, FL = Flash Point, TAN = Total Acid Number, TBN = Total Base Number, HZO = Karl Fisher result, V100 = Viscosity@100C, V40 = Viscosity@40C
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